

Inventors: A. Takayanagi et al
Attorney Docket No. 488-00061

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ANTI-ROTATION DEVICE AND ANTI-ROTATION STRUCTURE
FOR A PIPE AND A CONNECTOR

Inventors: A. Takayanagi et al
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FIG. 2

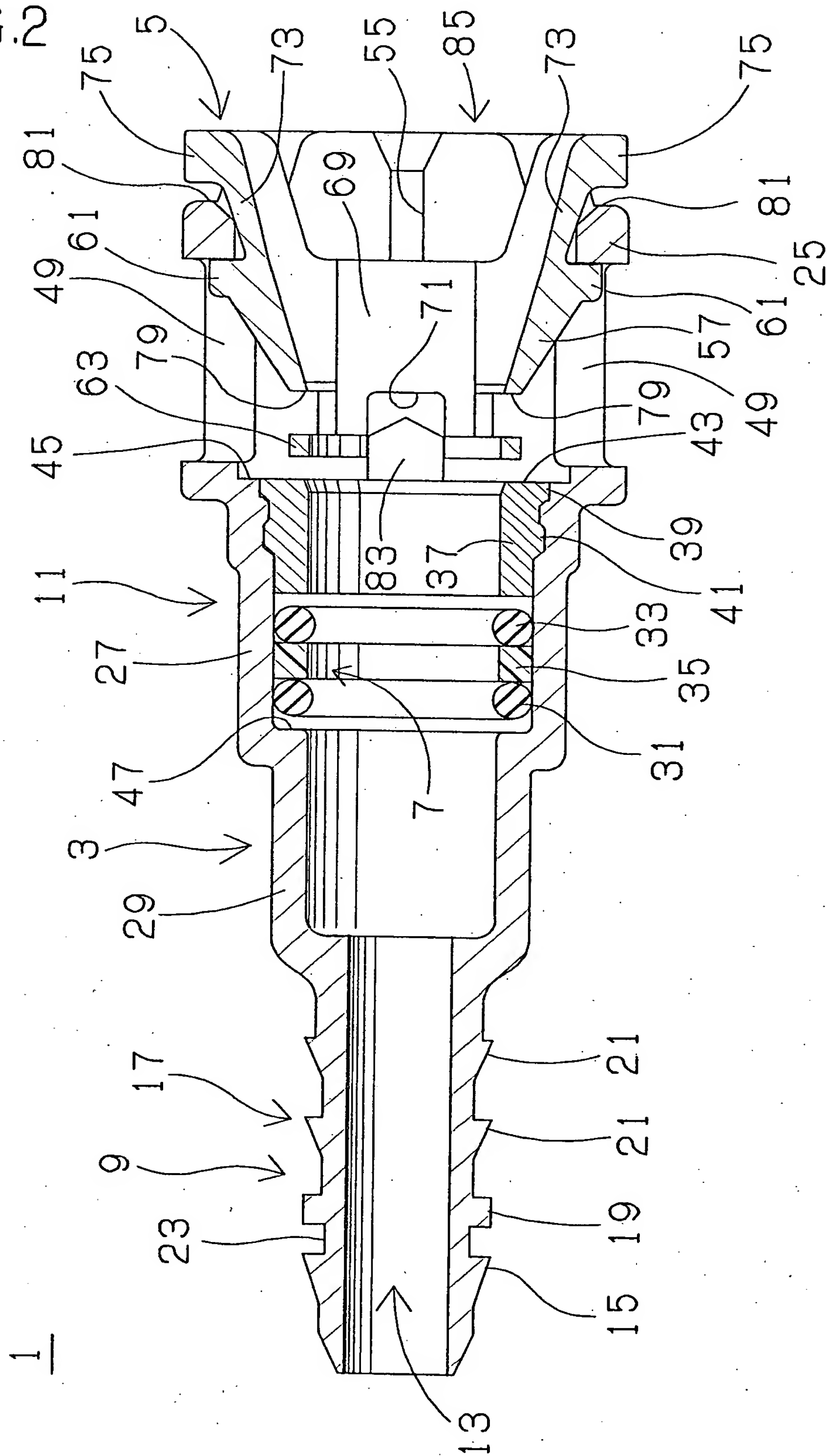
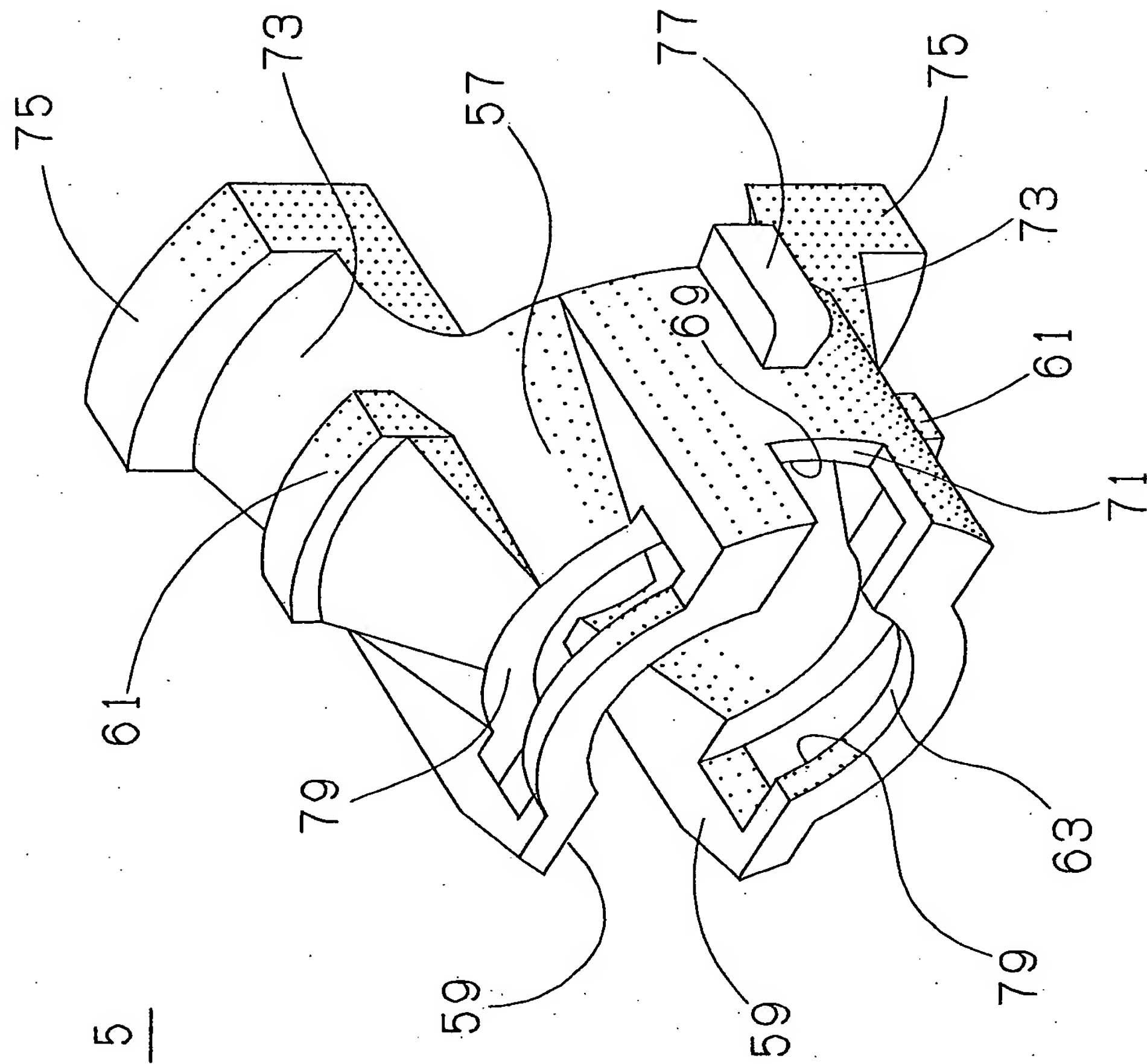


FIG.3

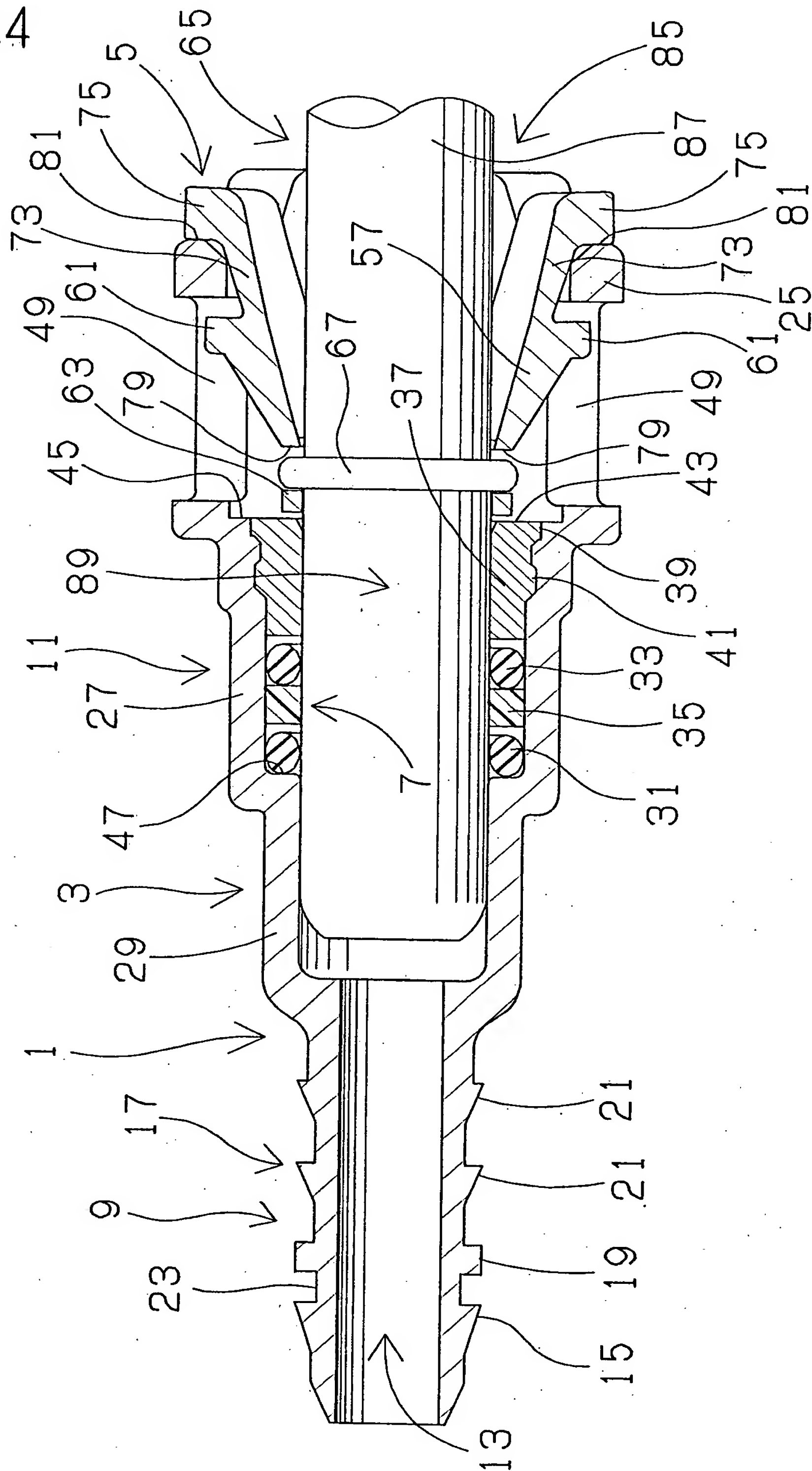


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FIG. 4



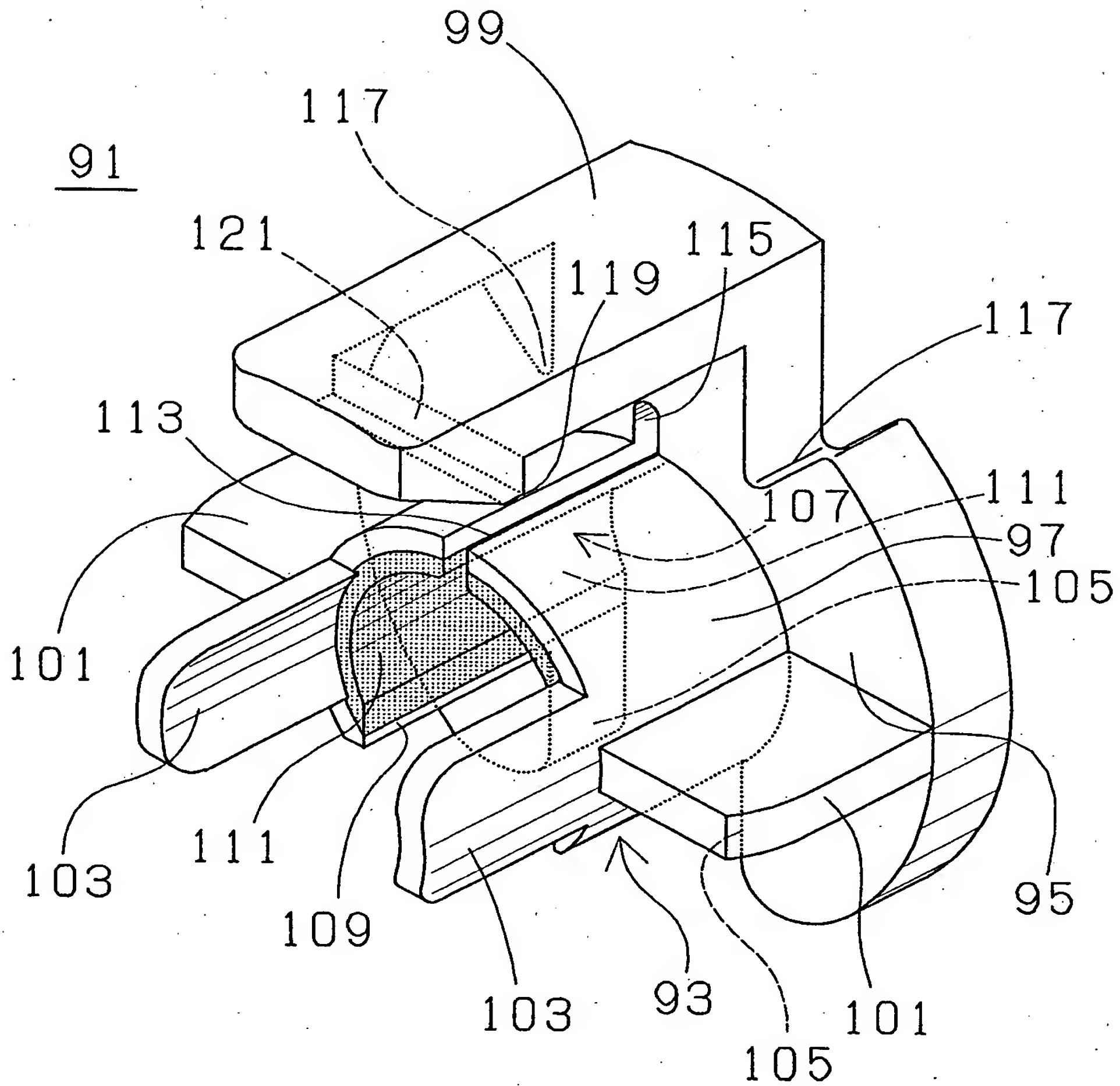
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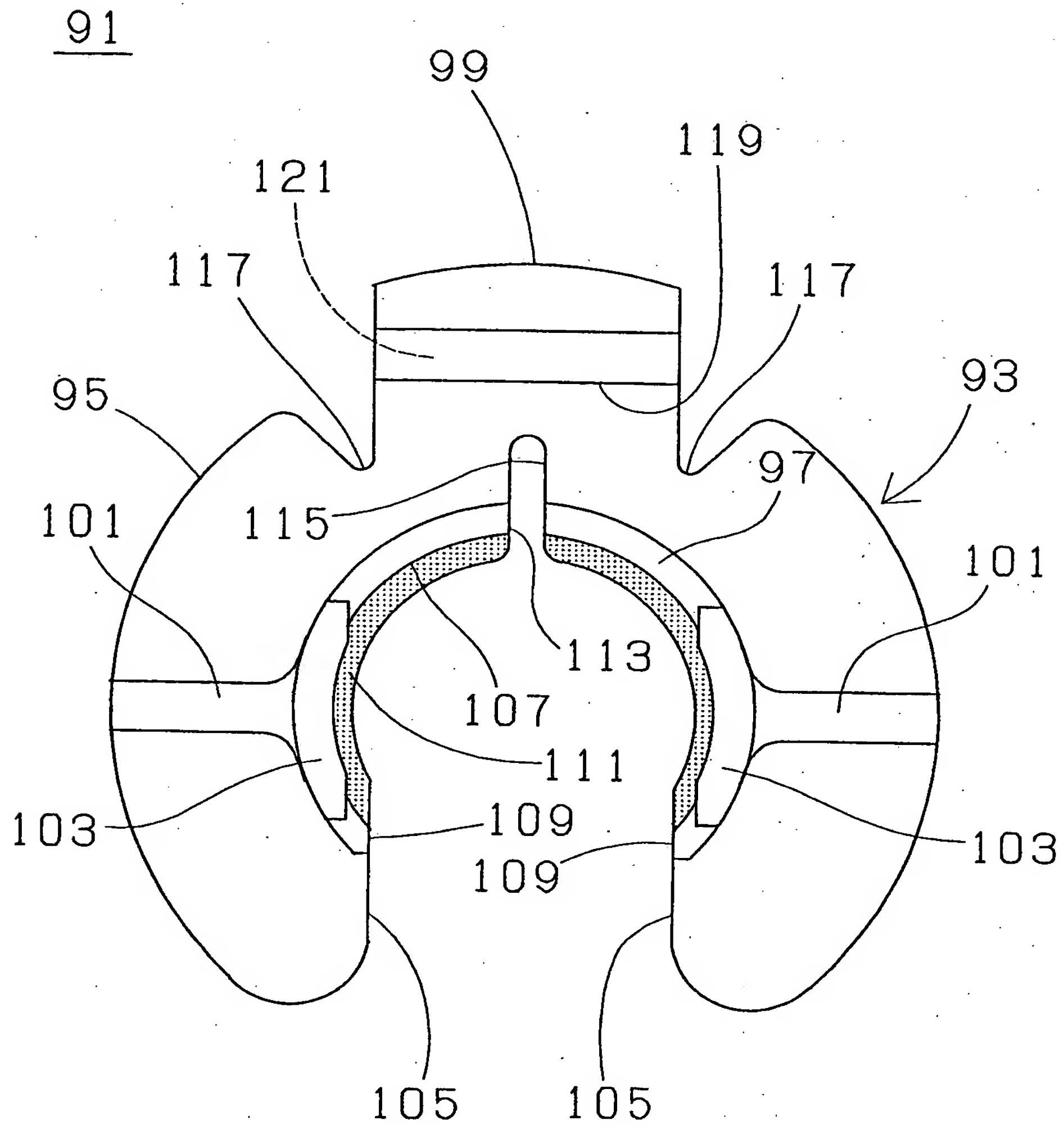
FIG.6



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FIG. 7

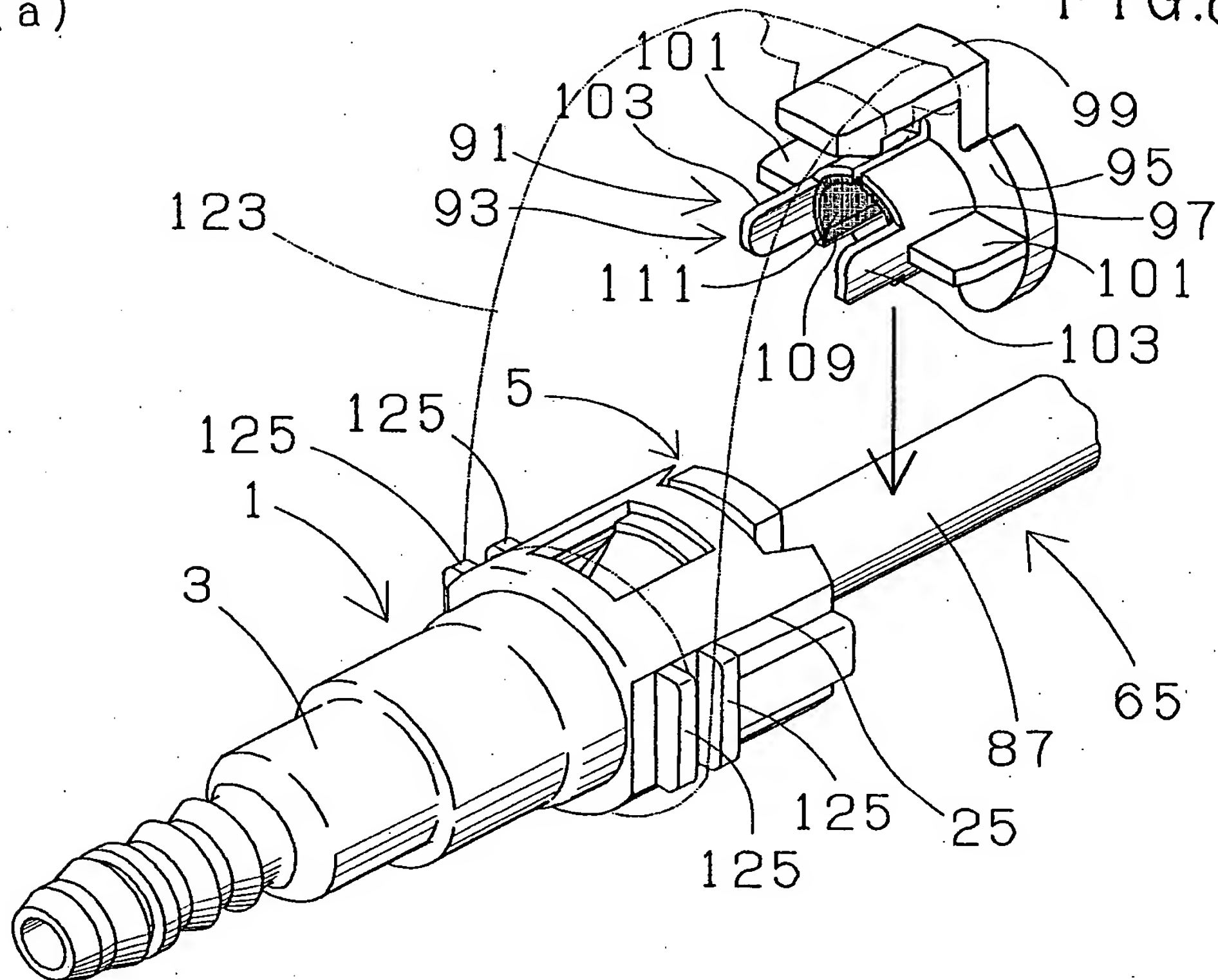


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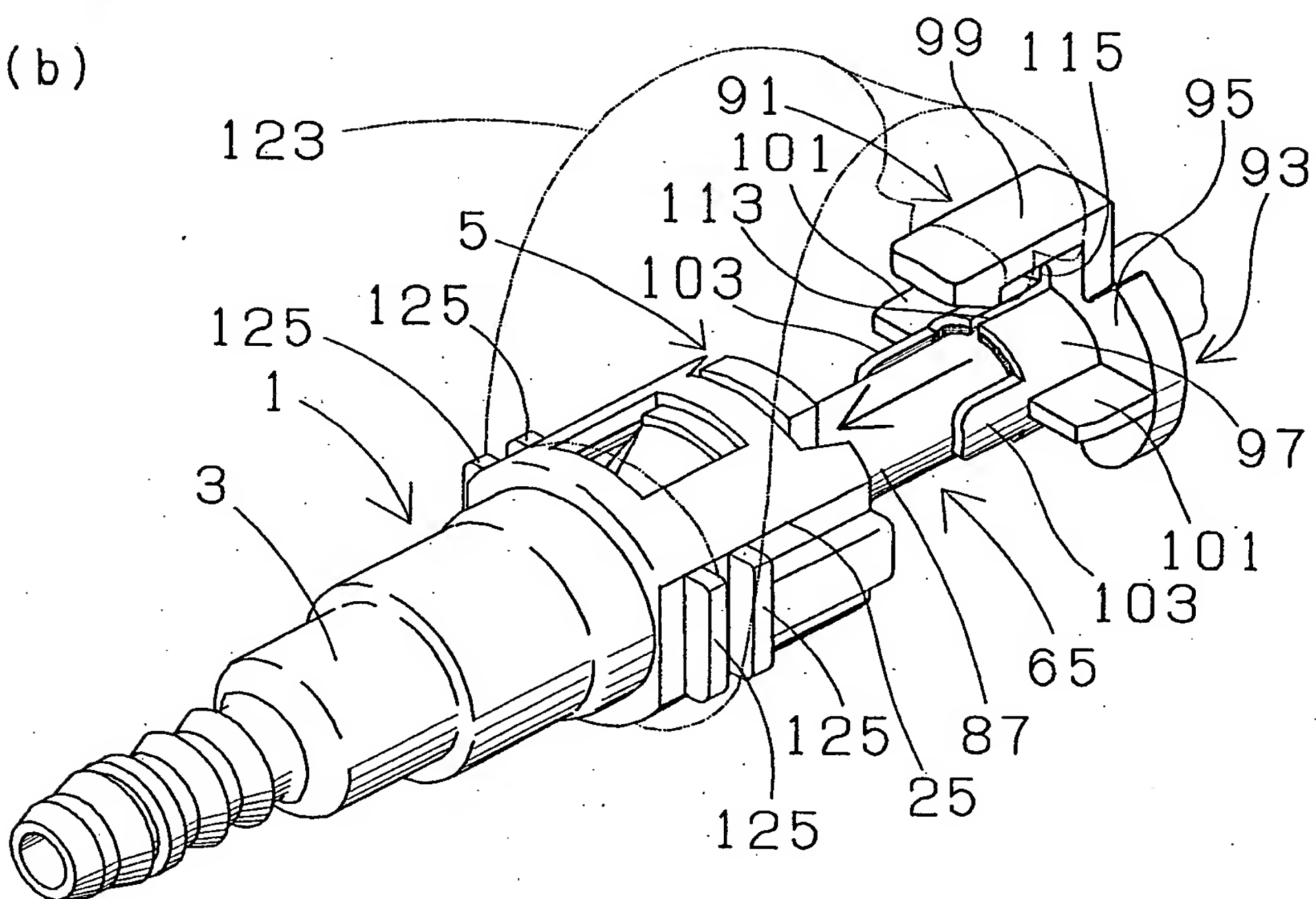
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FIG.8

(a)



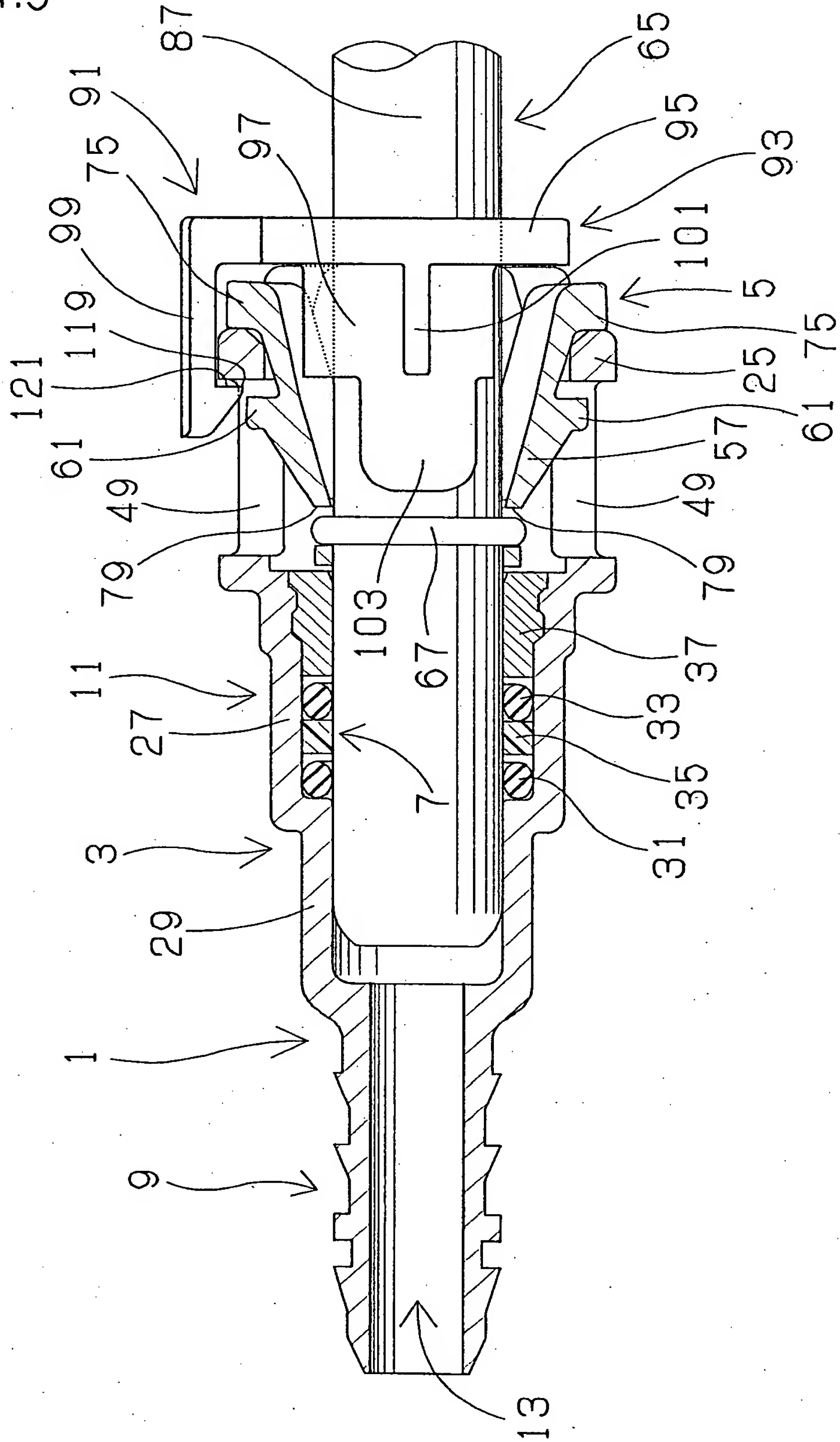
(b)



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FIG.9

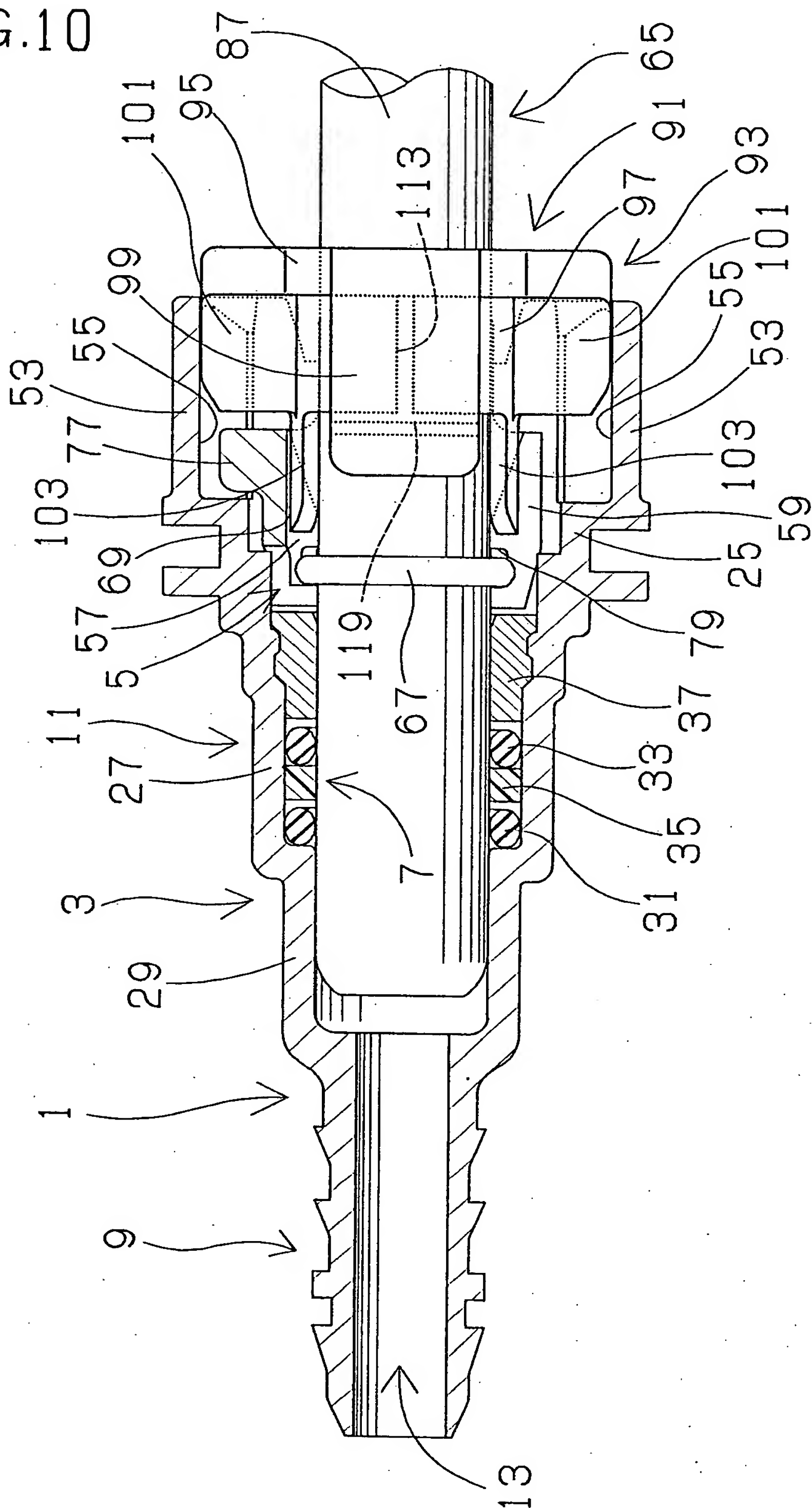


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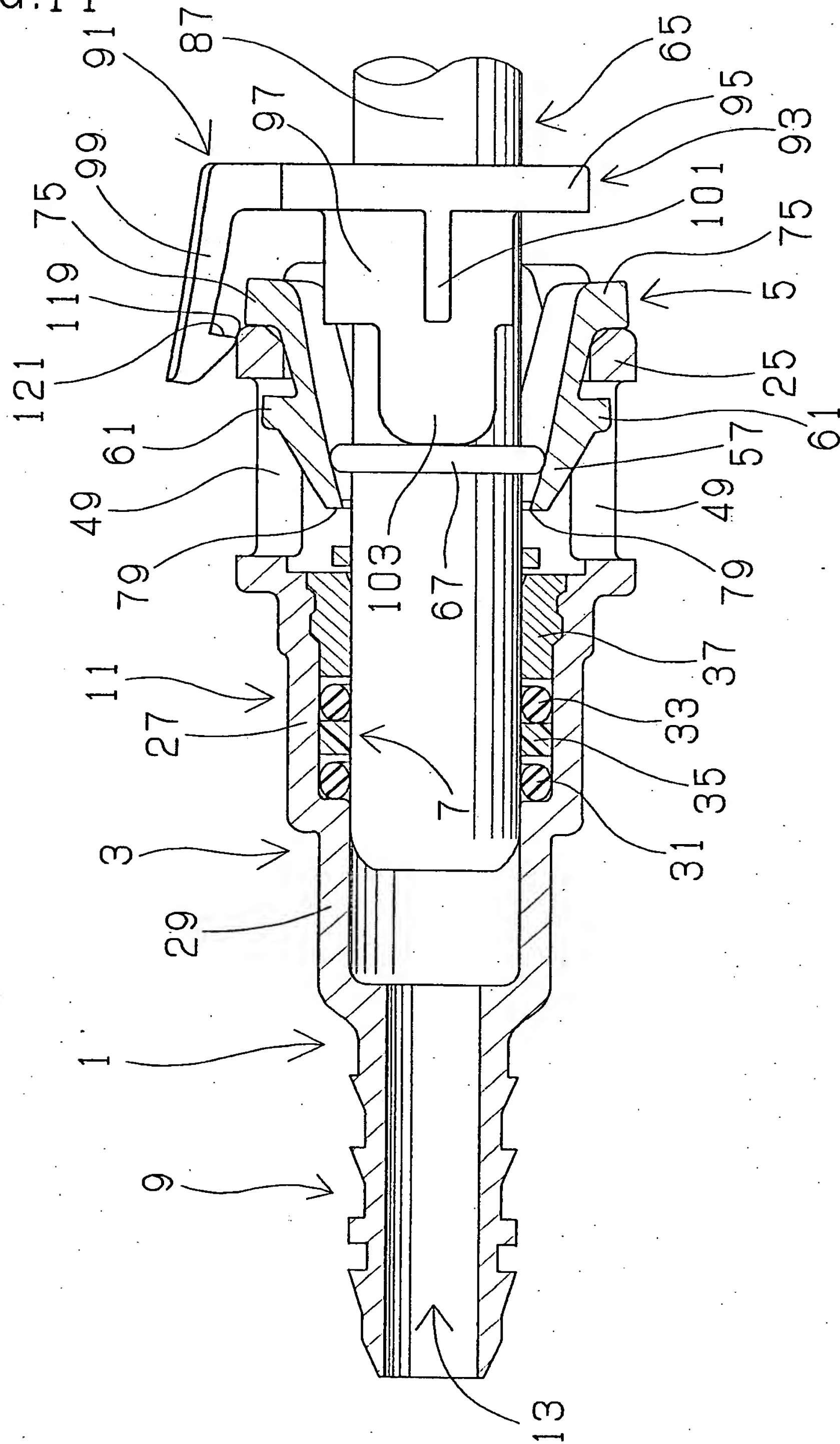
FIG.10



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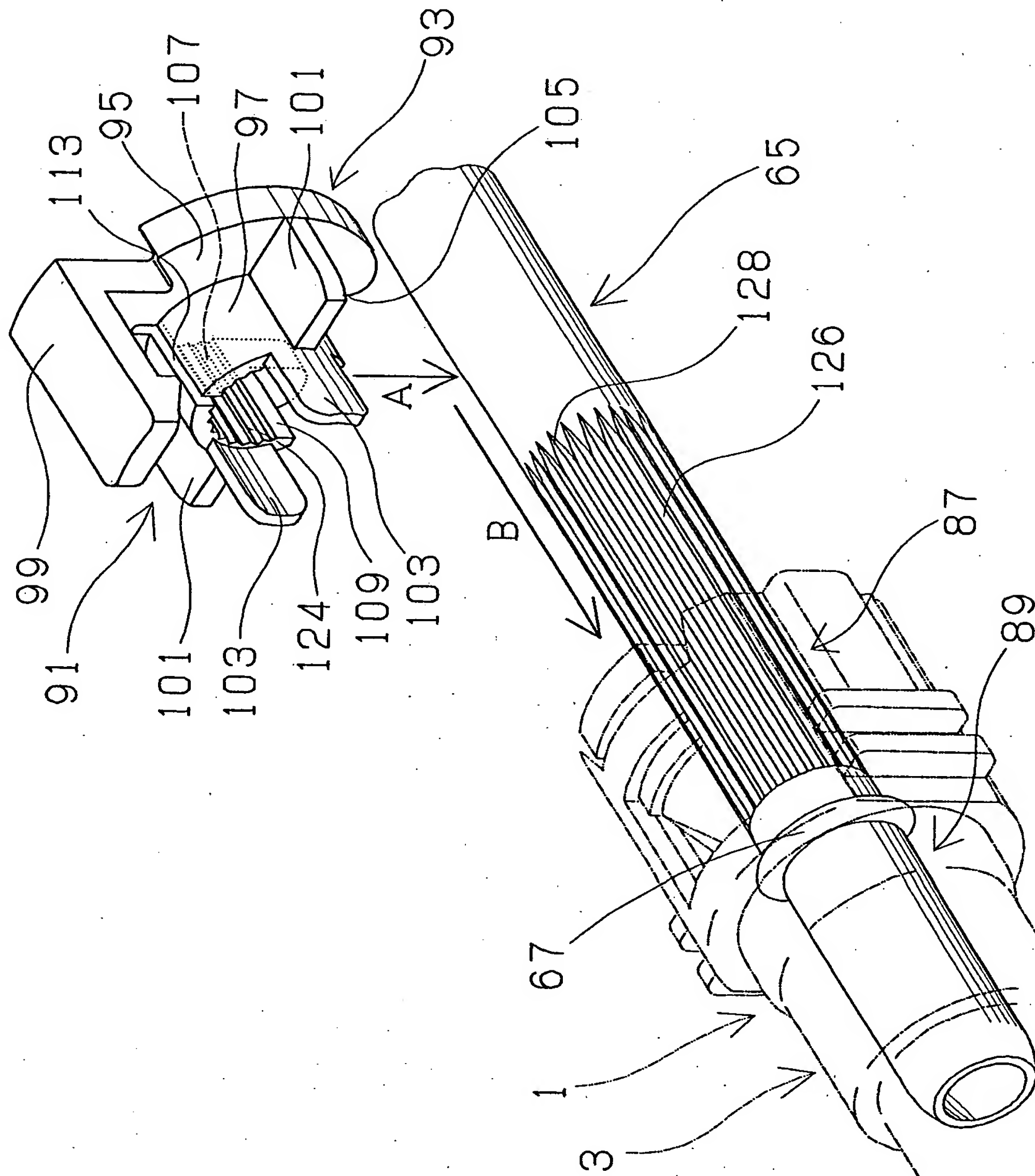
FIG.11



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FIG.12

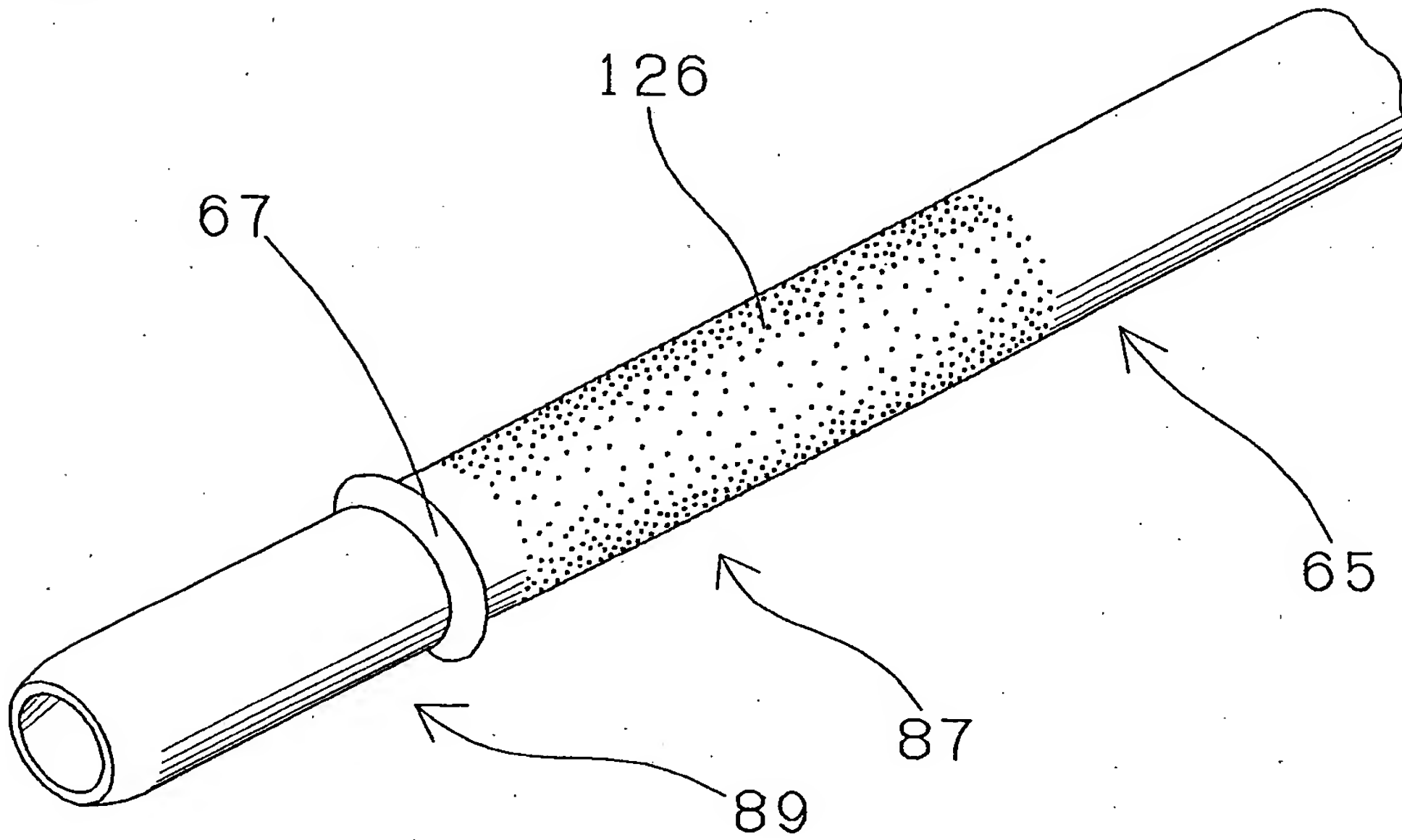


ANTI-ROTATION DEVICE AND ANTI-ROTATION STRUCTURE
FOR A PIPE AND A CONNECTOR

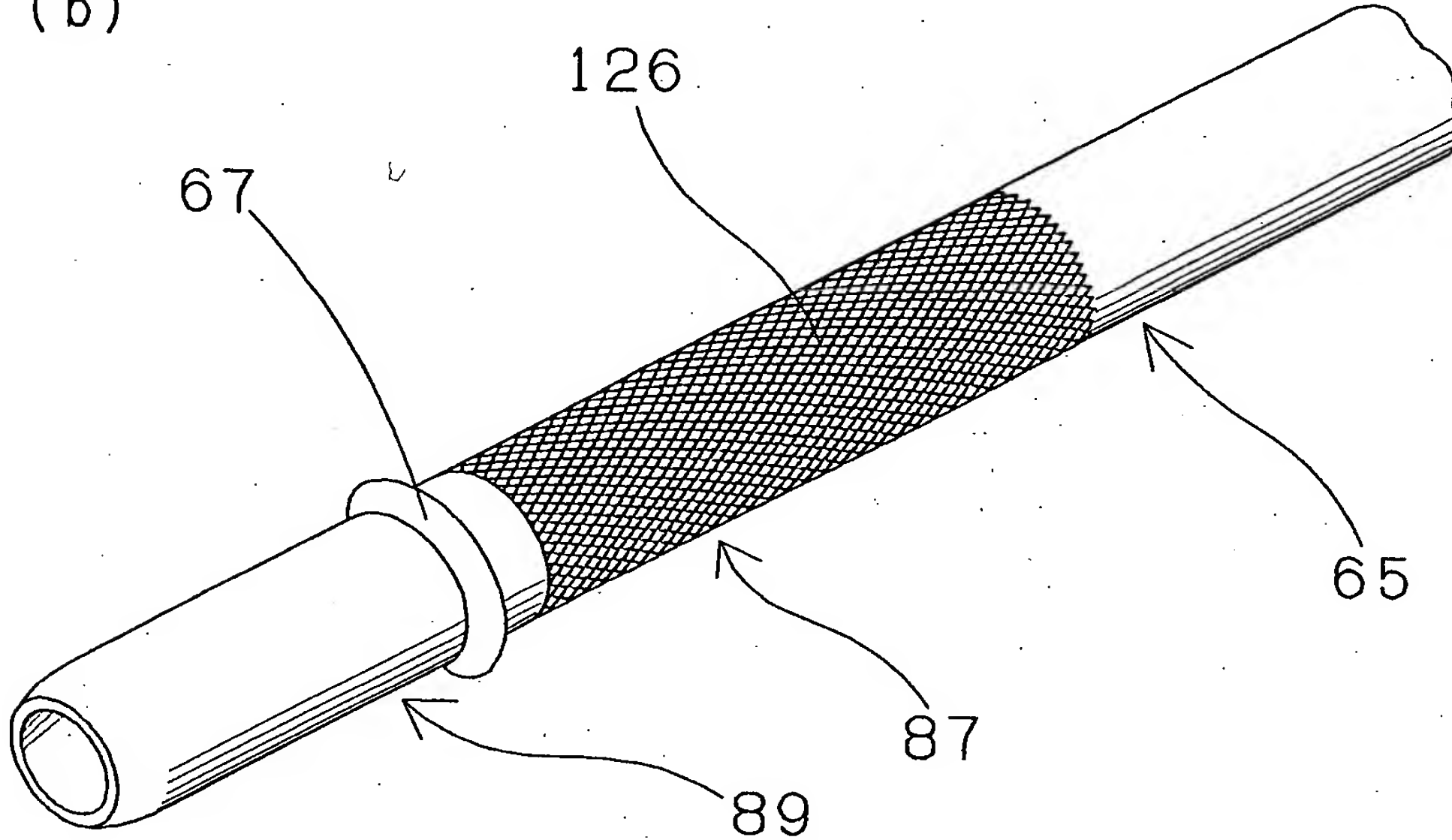
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FIG.13

(a)



(b)

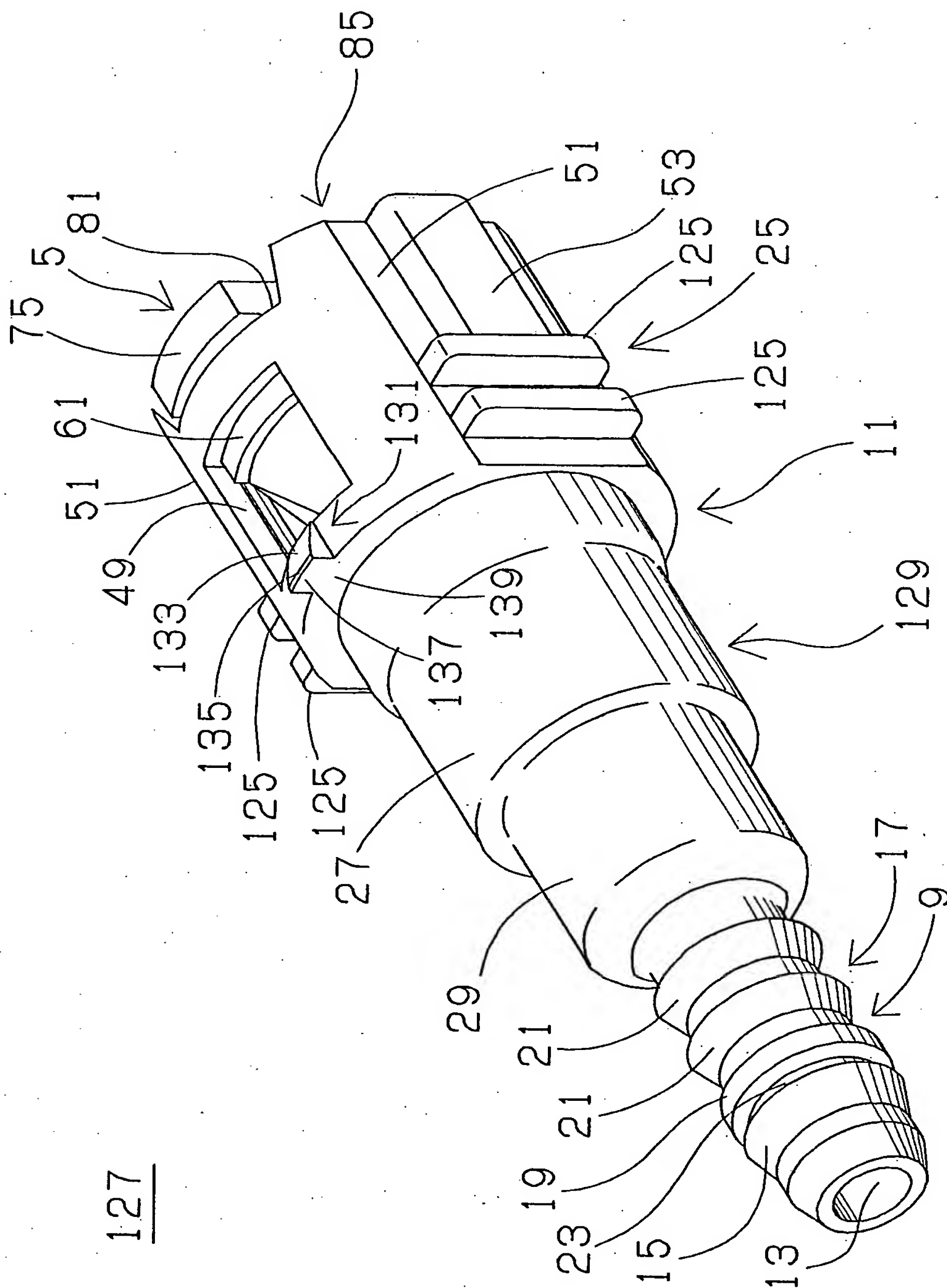


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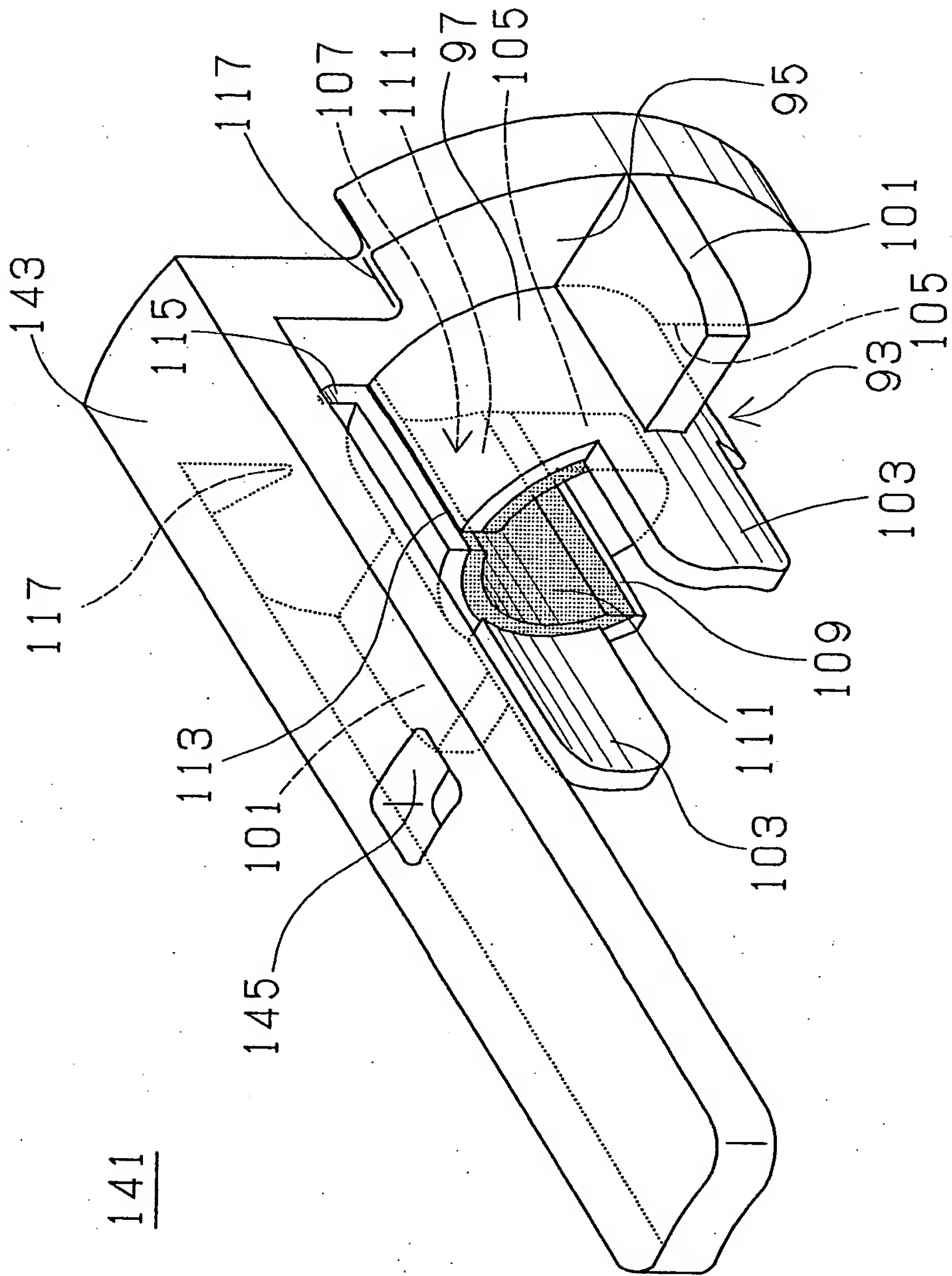


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FIG.15

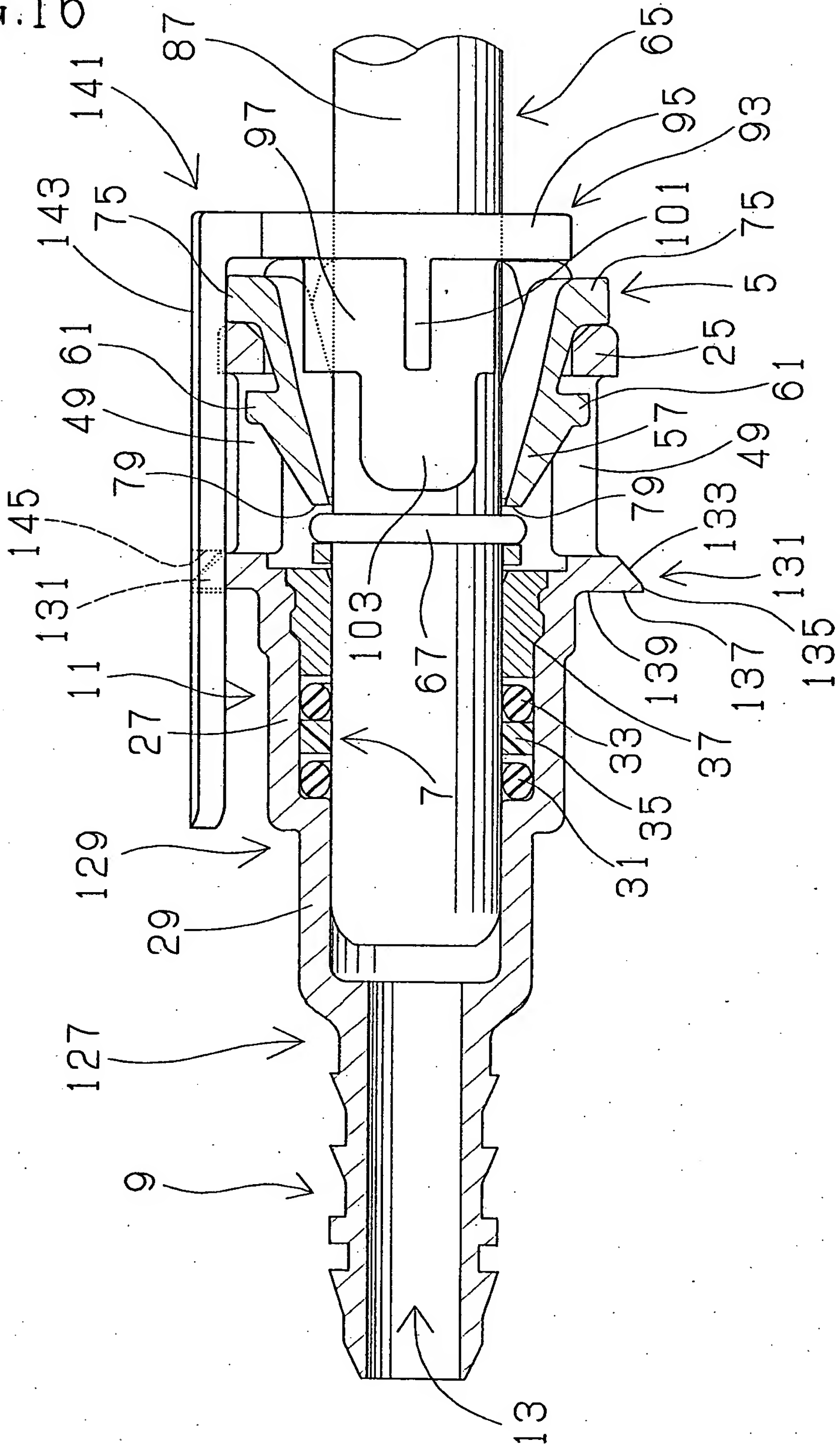


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FIG. 16

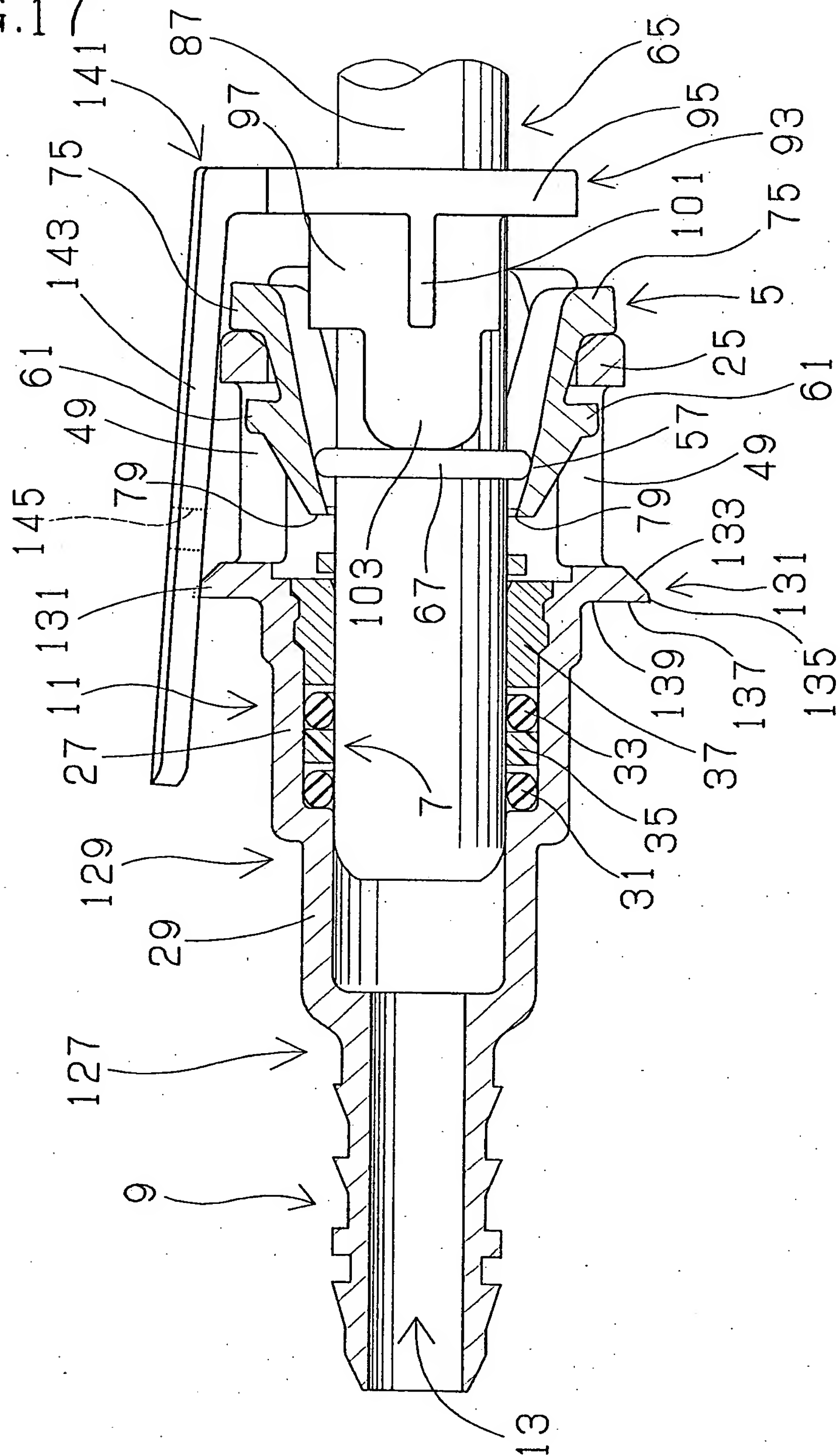


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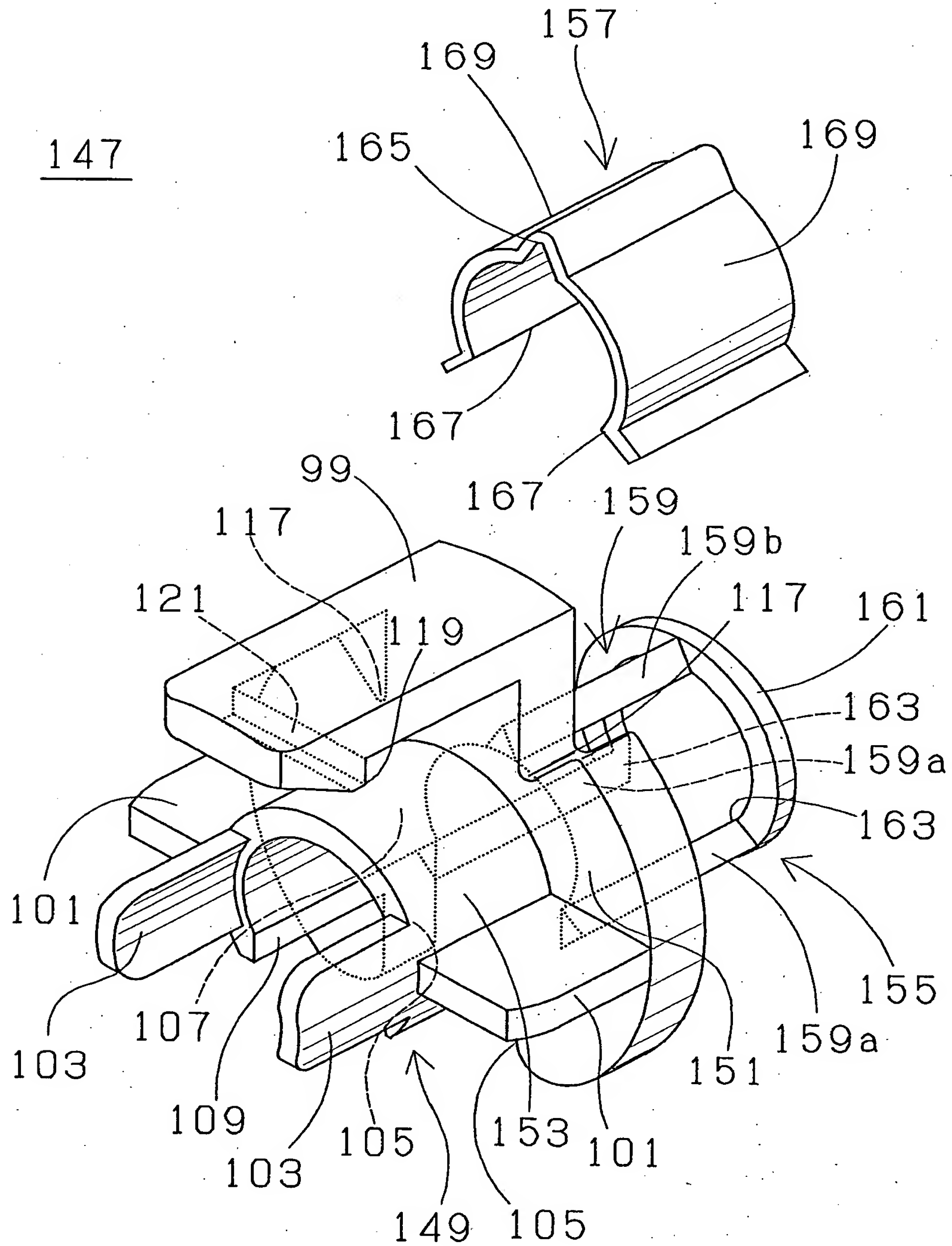
FIG.17



ANTI-ROTATION DEVICE AND ANTI-ROTATION STRUCTURE
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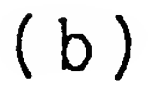
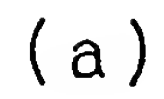
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FIG.18



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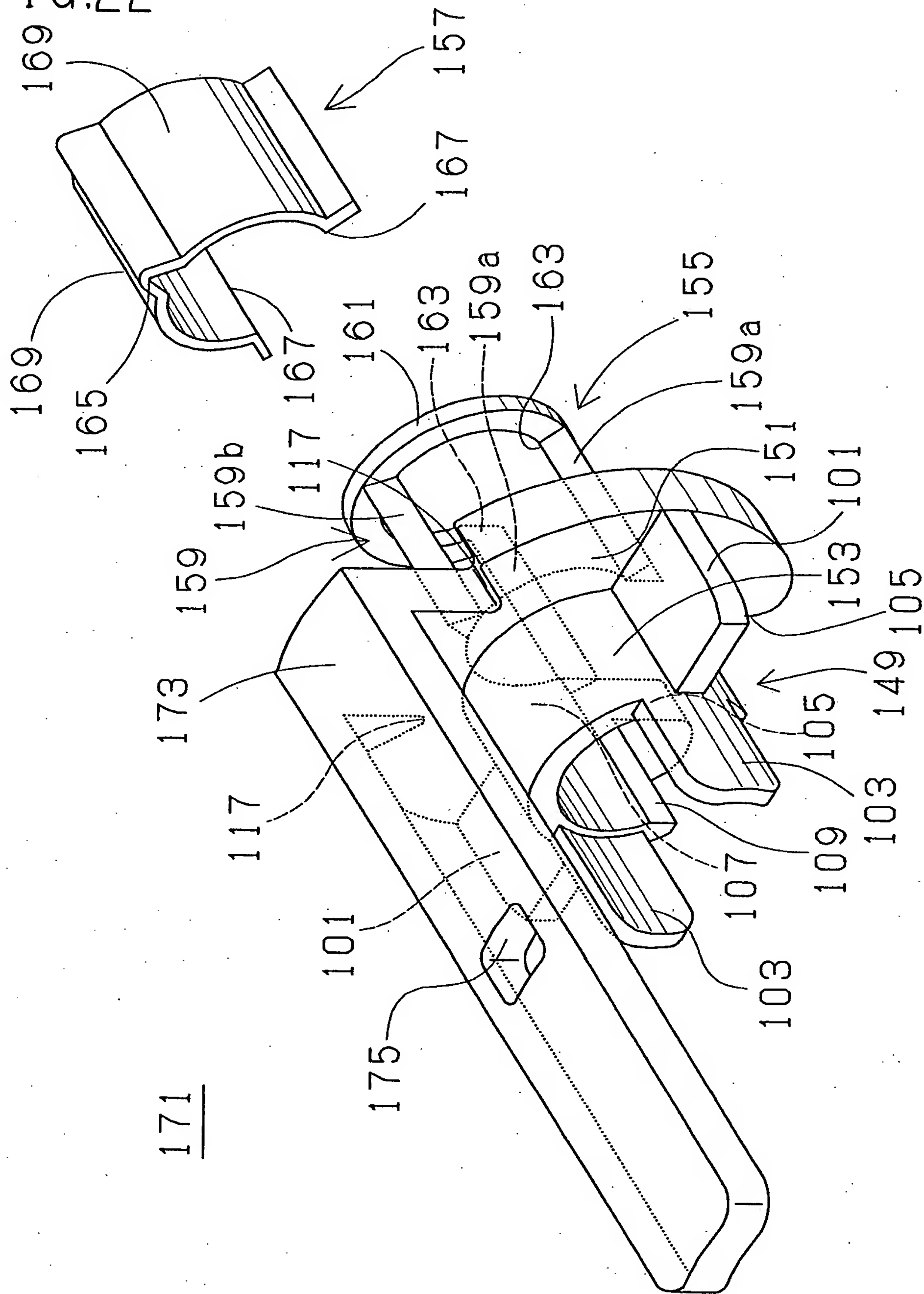
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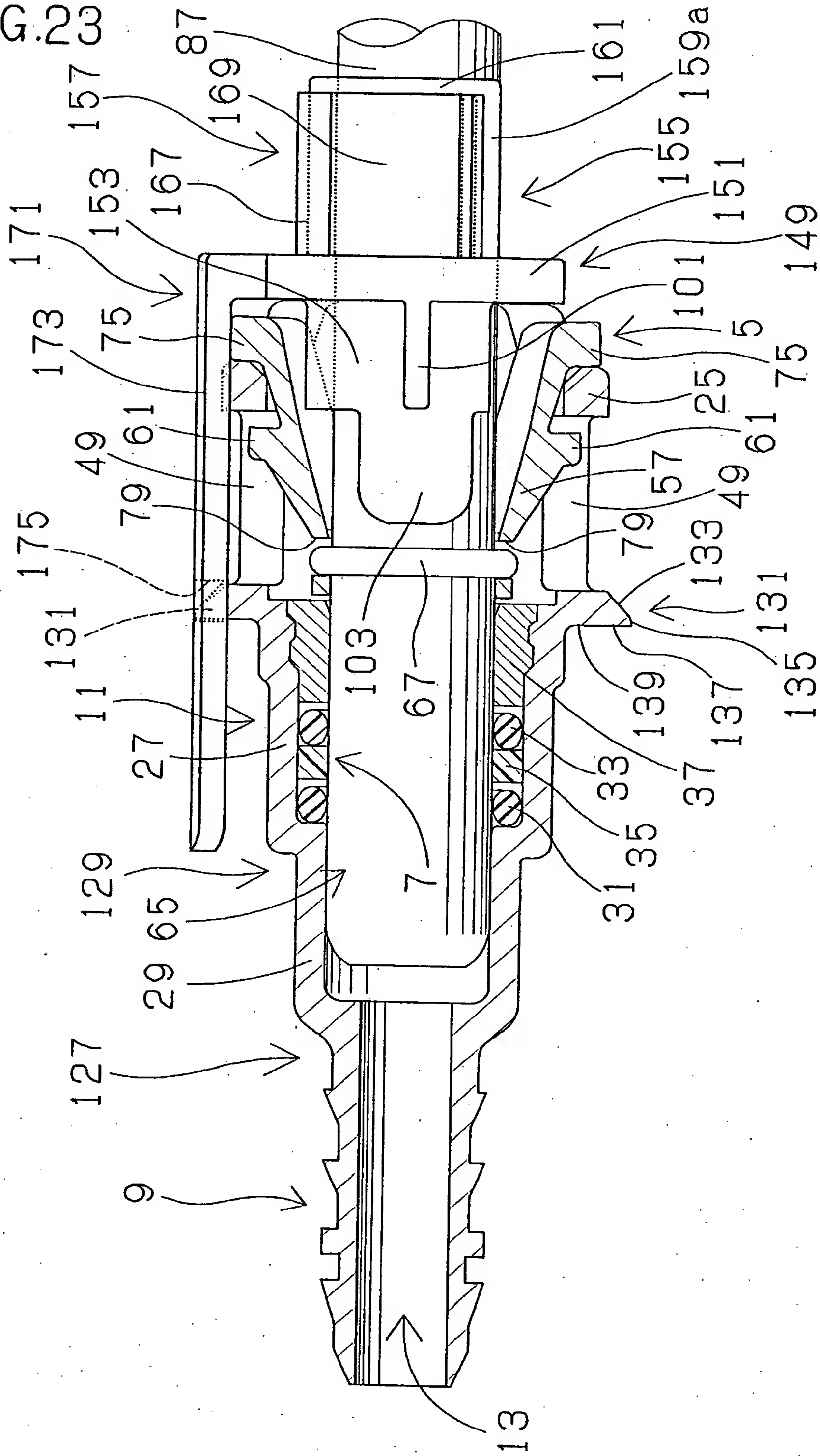
FIG.22



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FIG. 23



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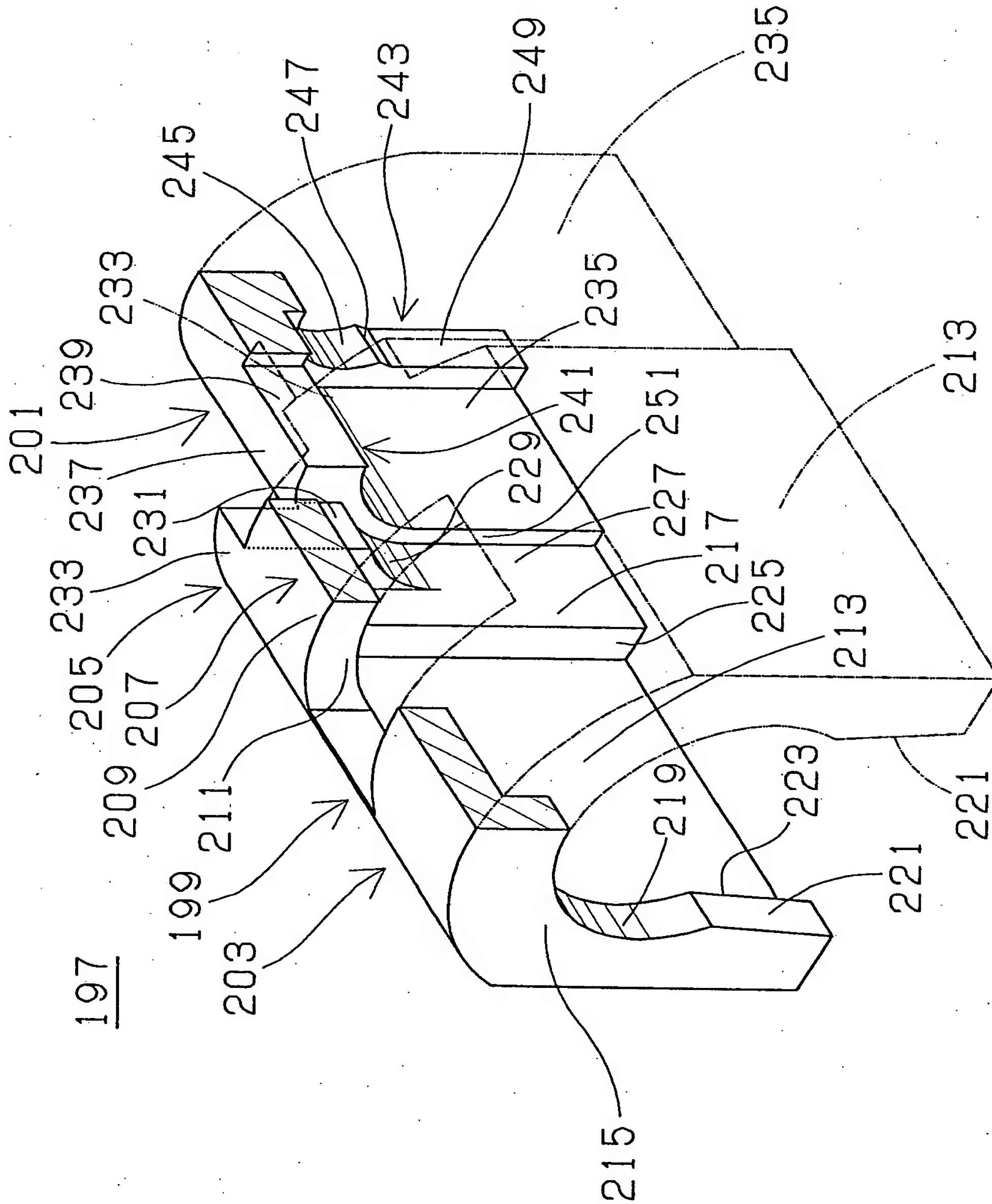
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FIG. 24

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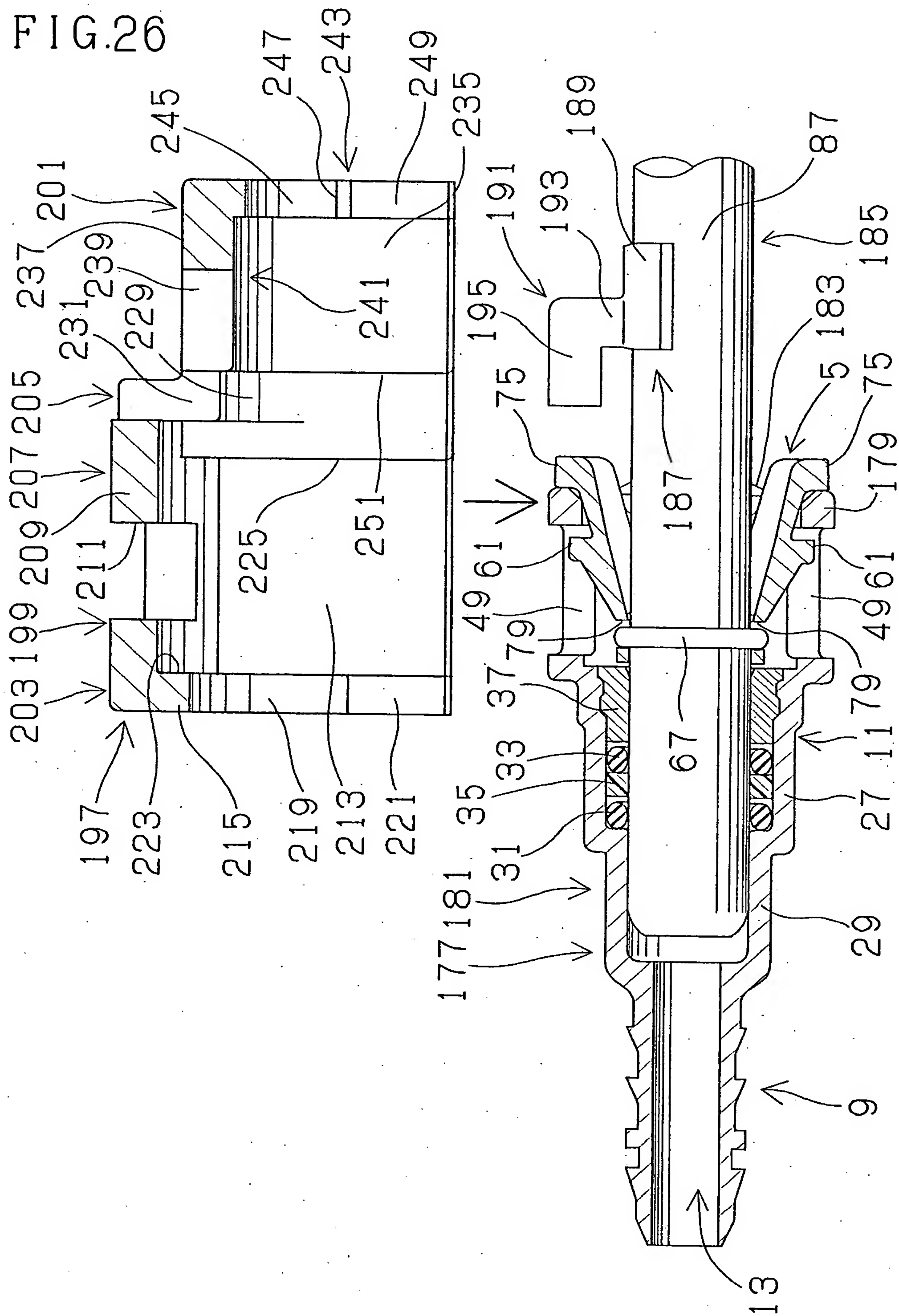
FIG.25



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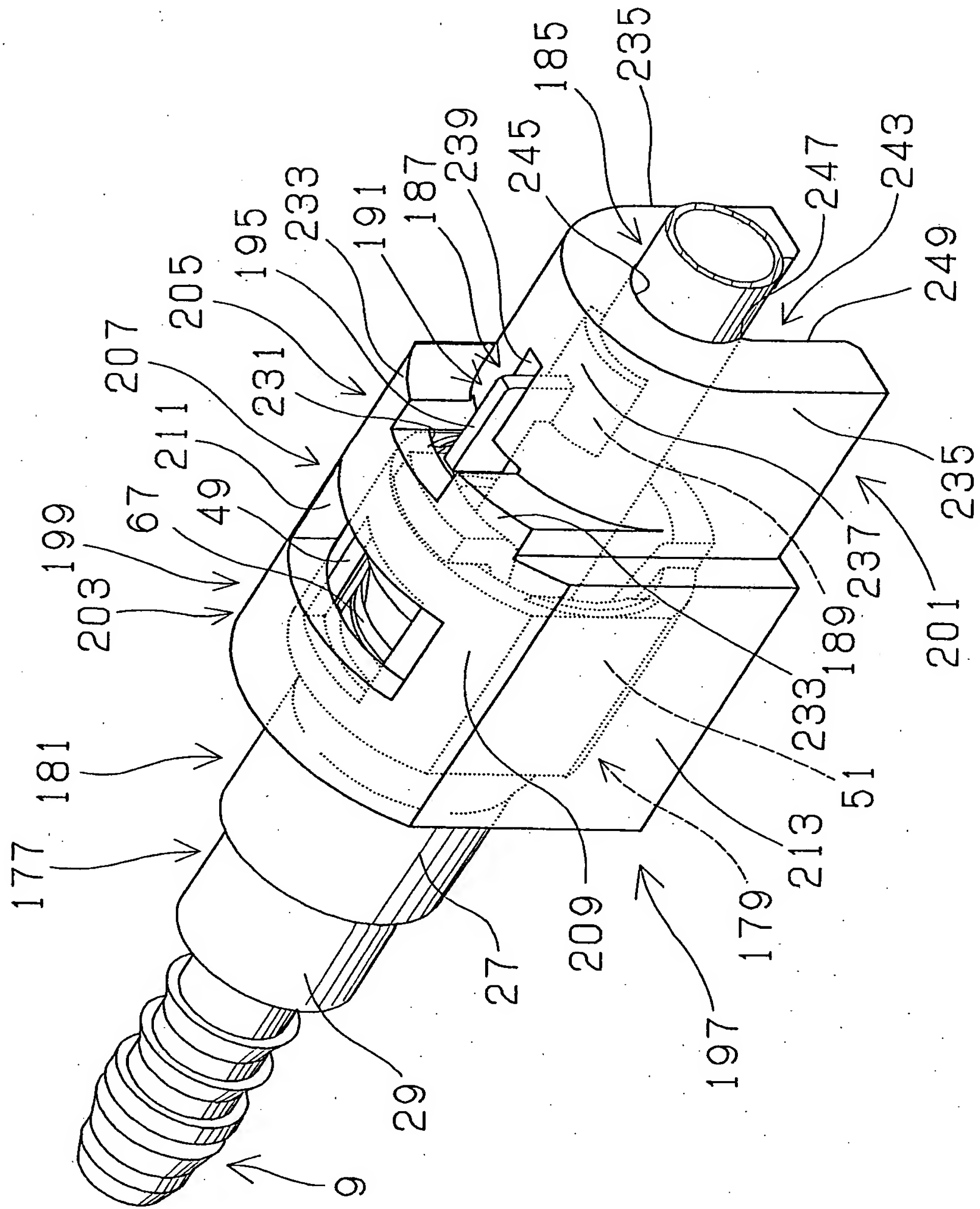
FIG. 26



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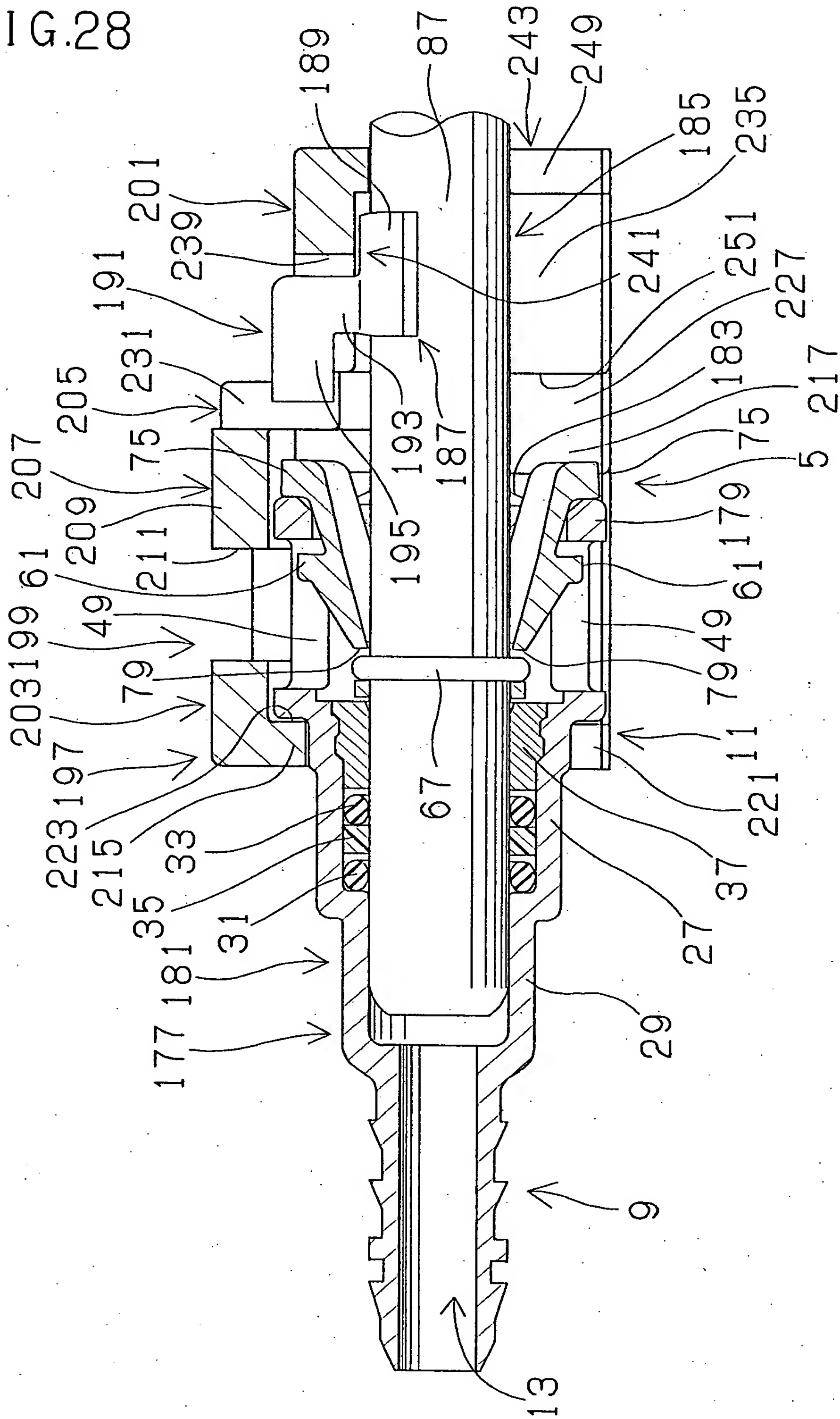
FIG.27



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FIG. 28

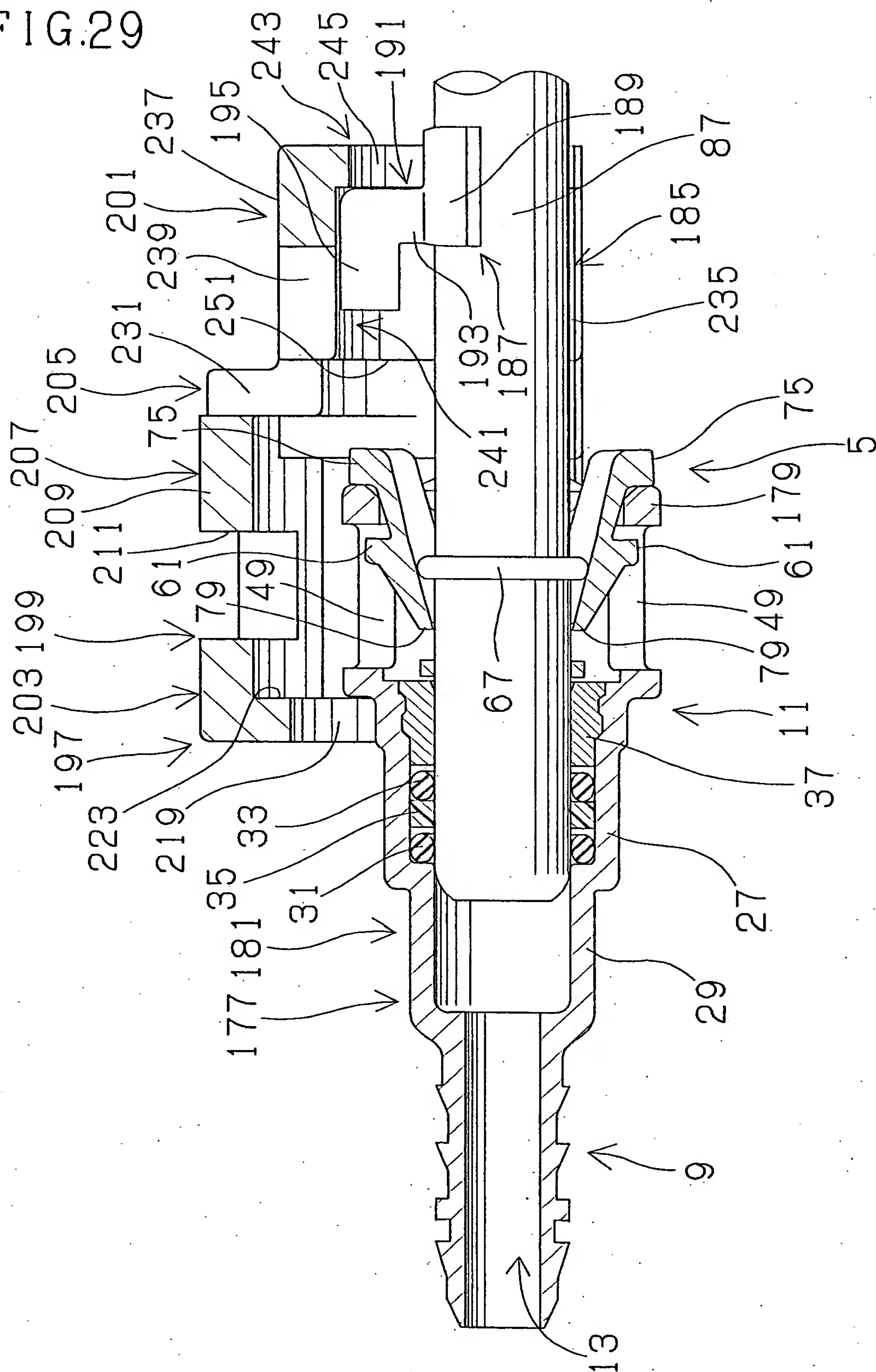


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FIG. 29

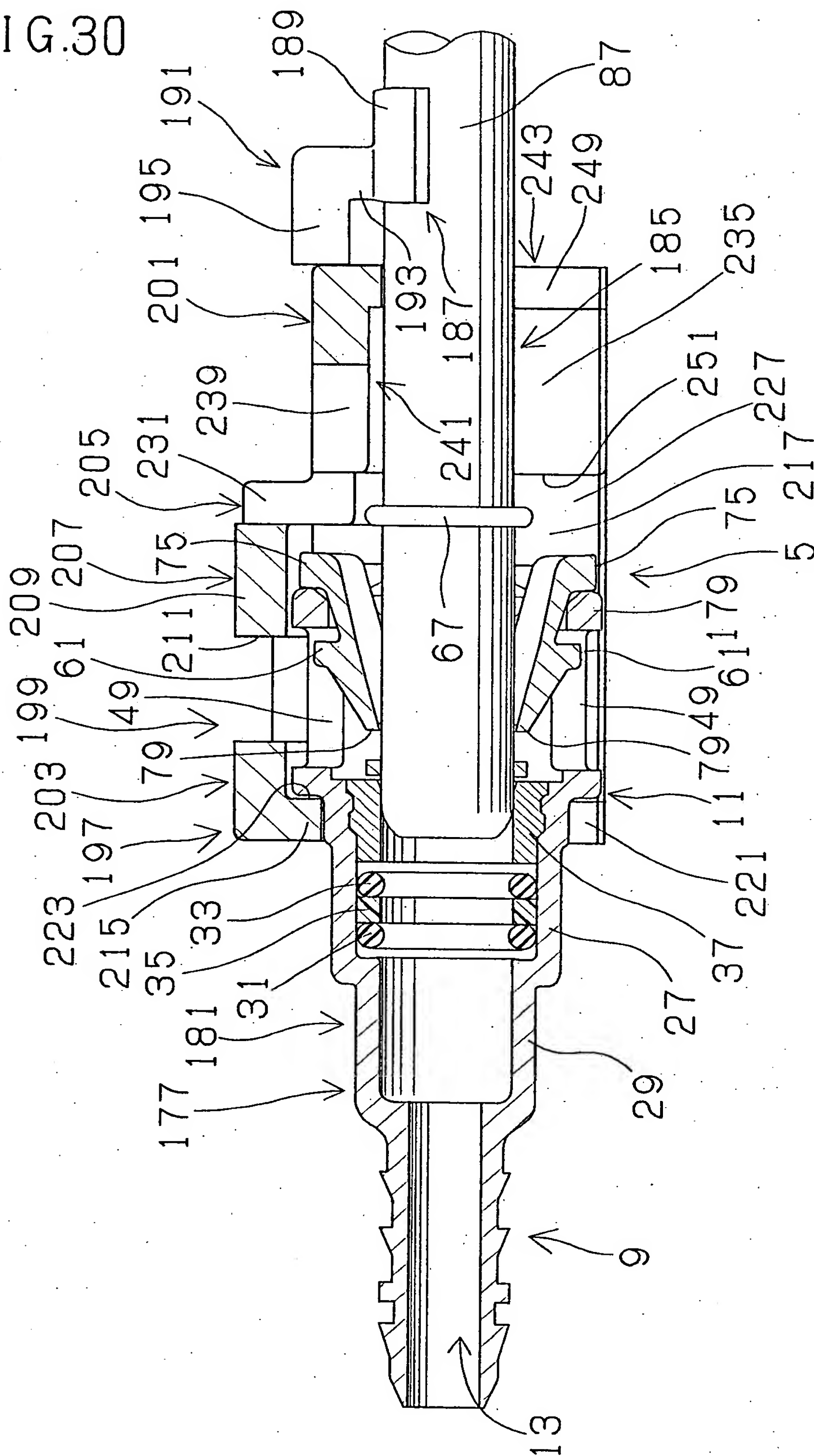


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FIG.30

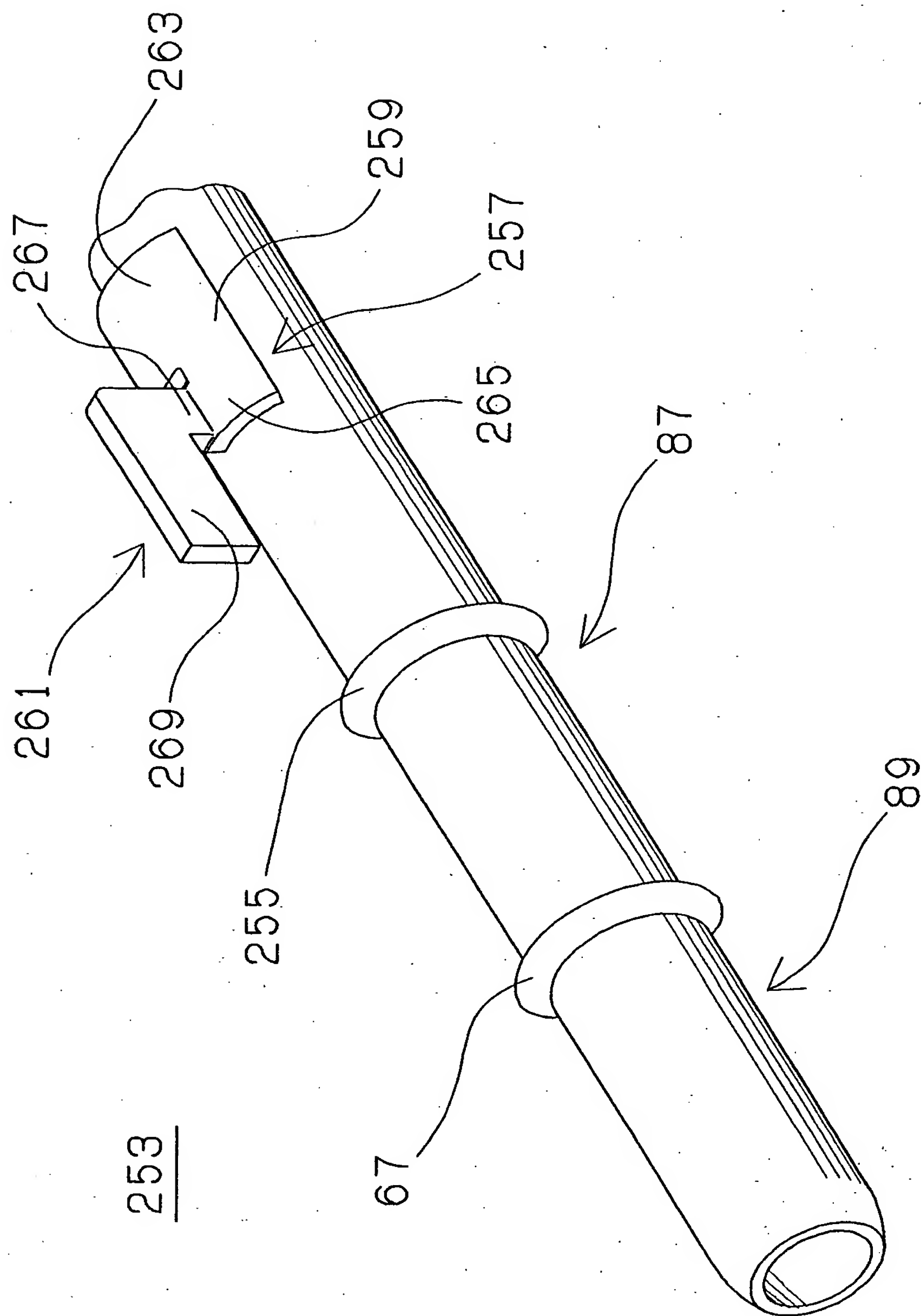


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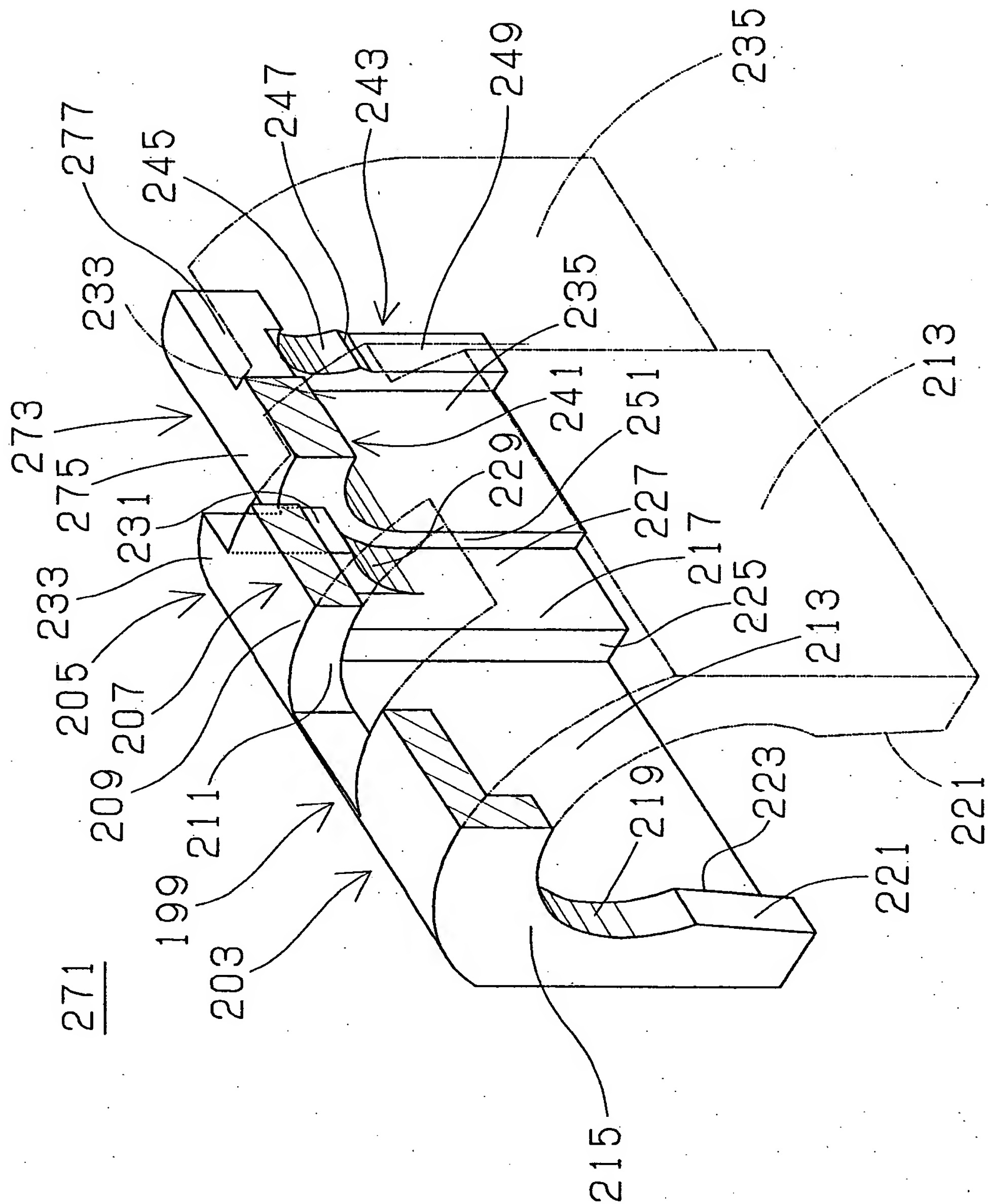
FIG.31



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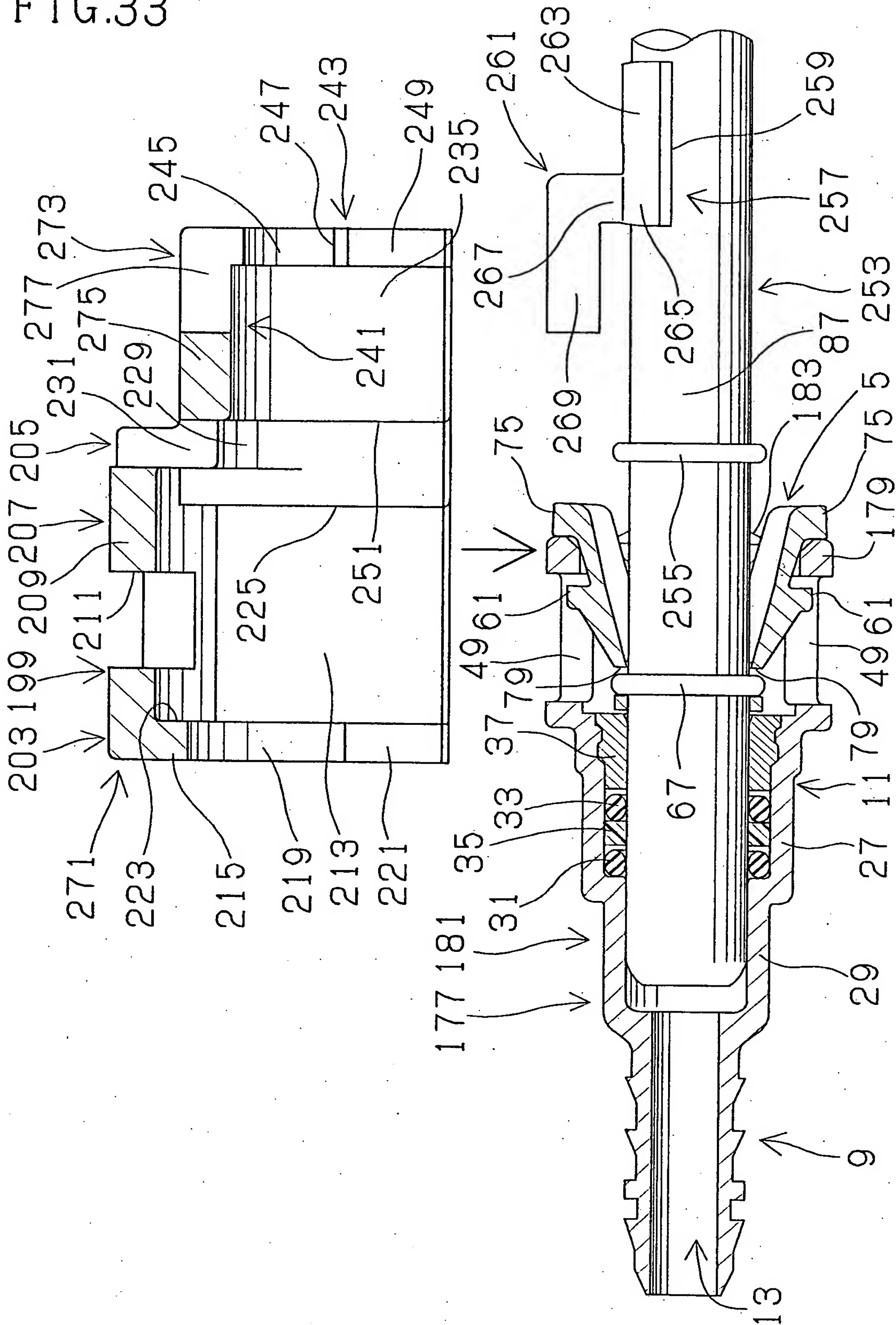
FIG.32



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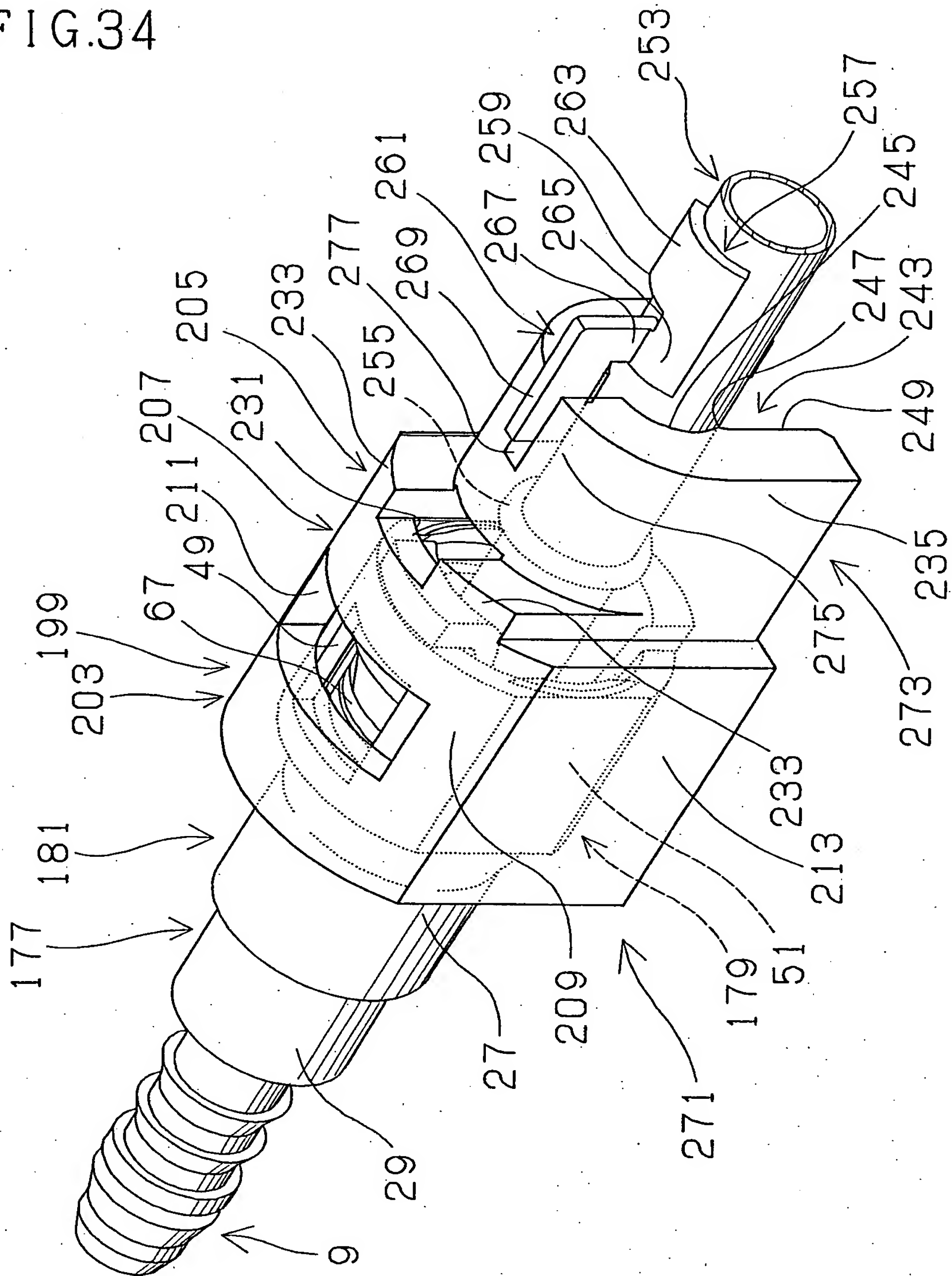
FIG. 33



ANTI-ROTATION DEVICE AND ANTI-ROTATION STRUCTURE
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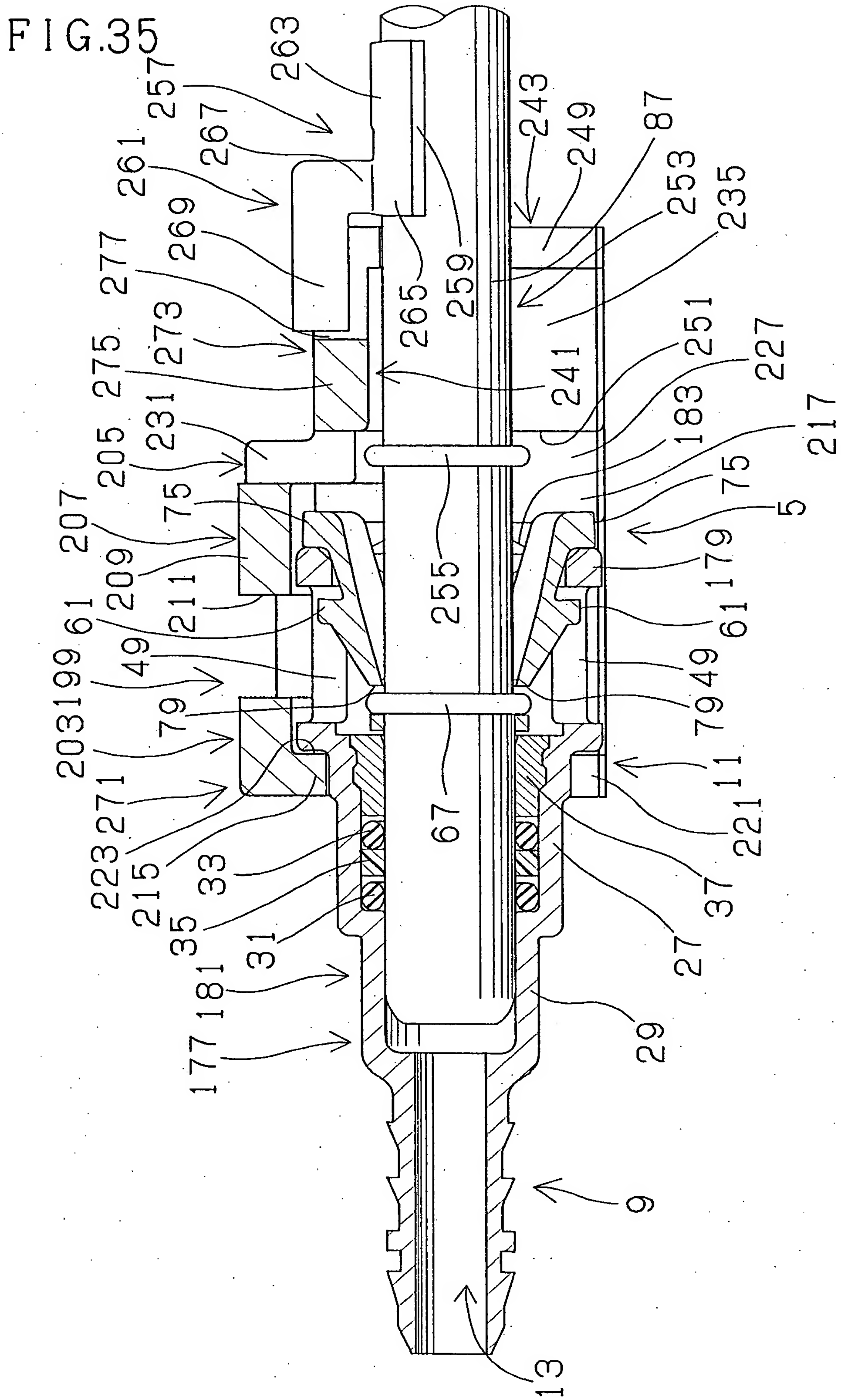
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FIG.34



ANTI-ROTATION DEVICE AND ANTI-ROTATION STRUCTURE
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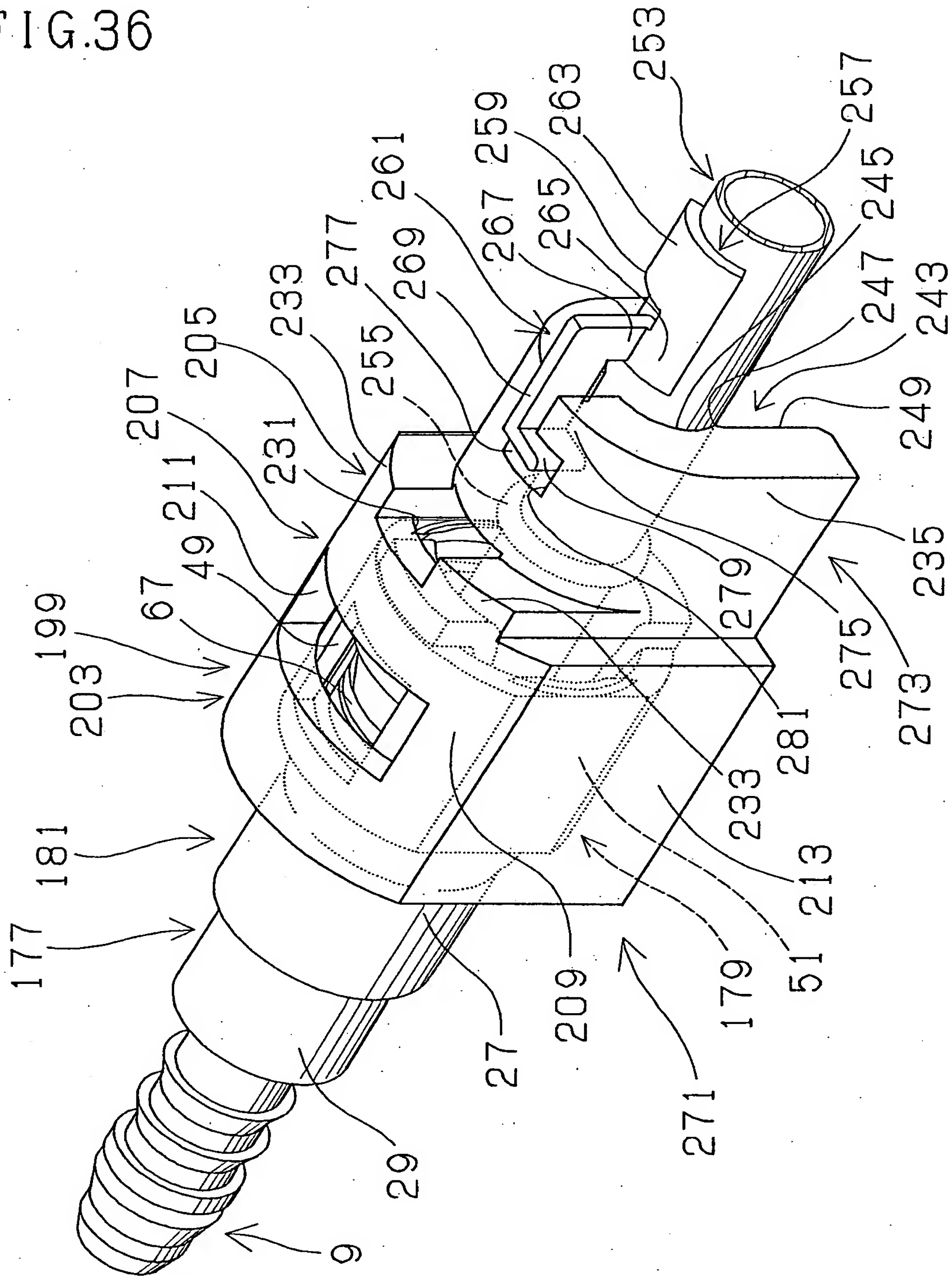
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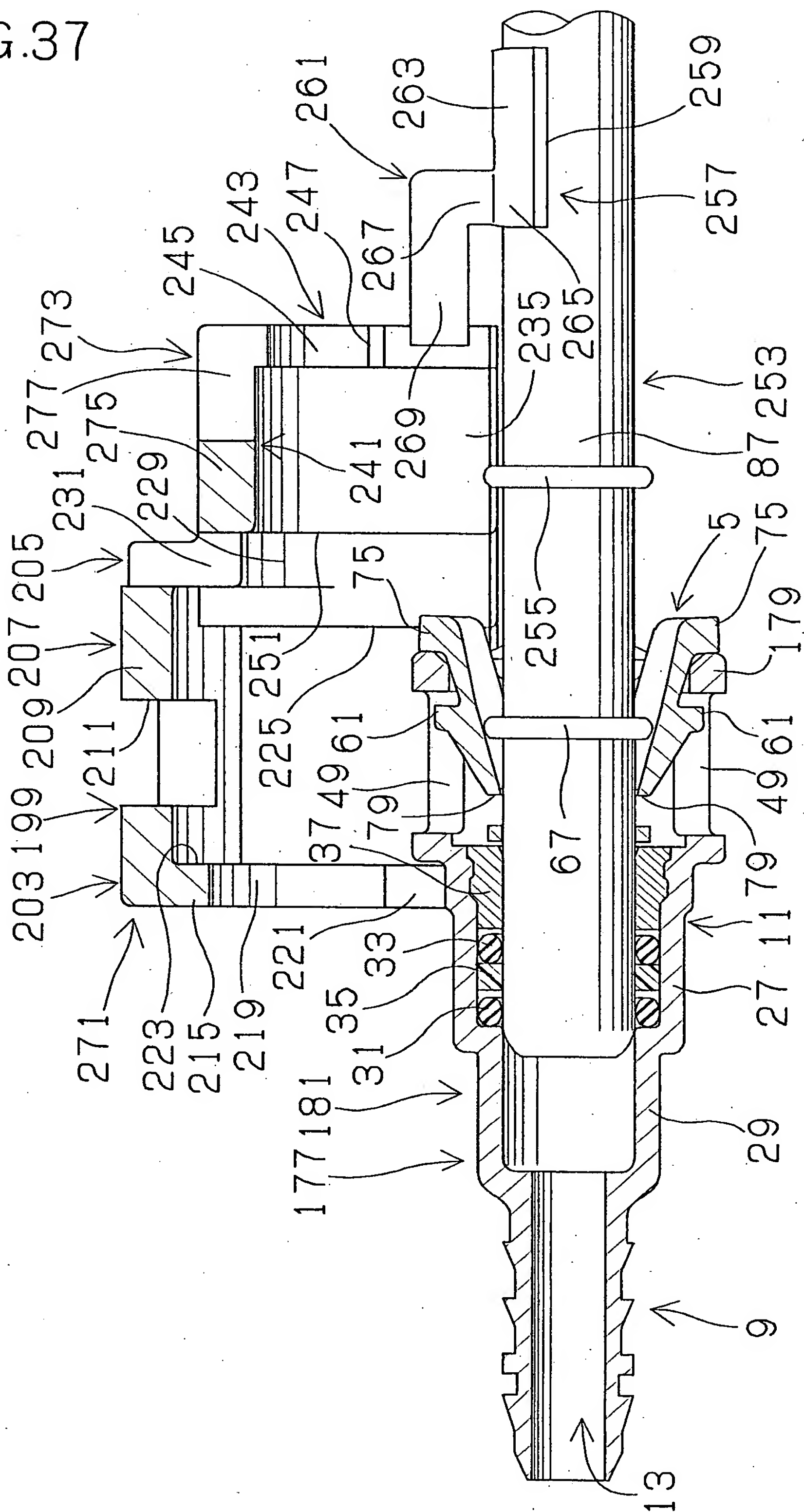
FIG.36



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FIG.37

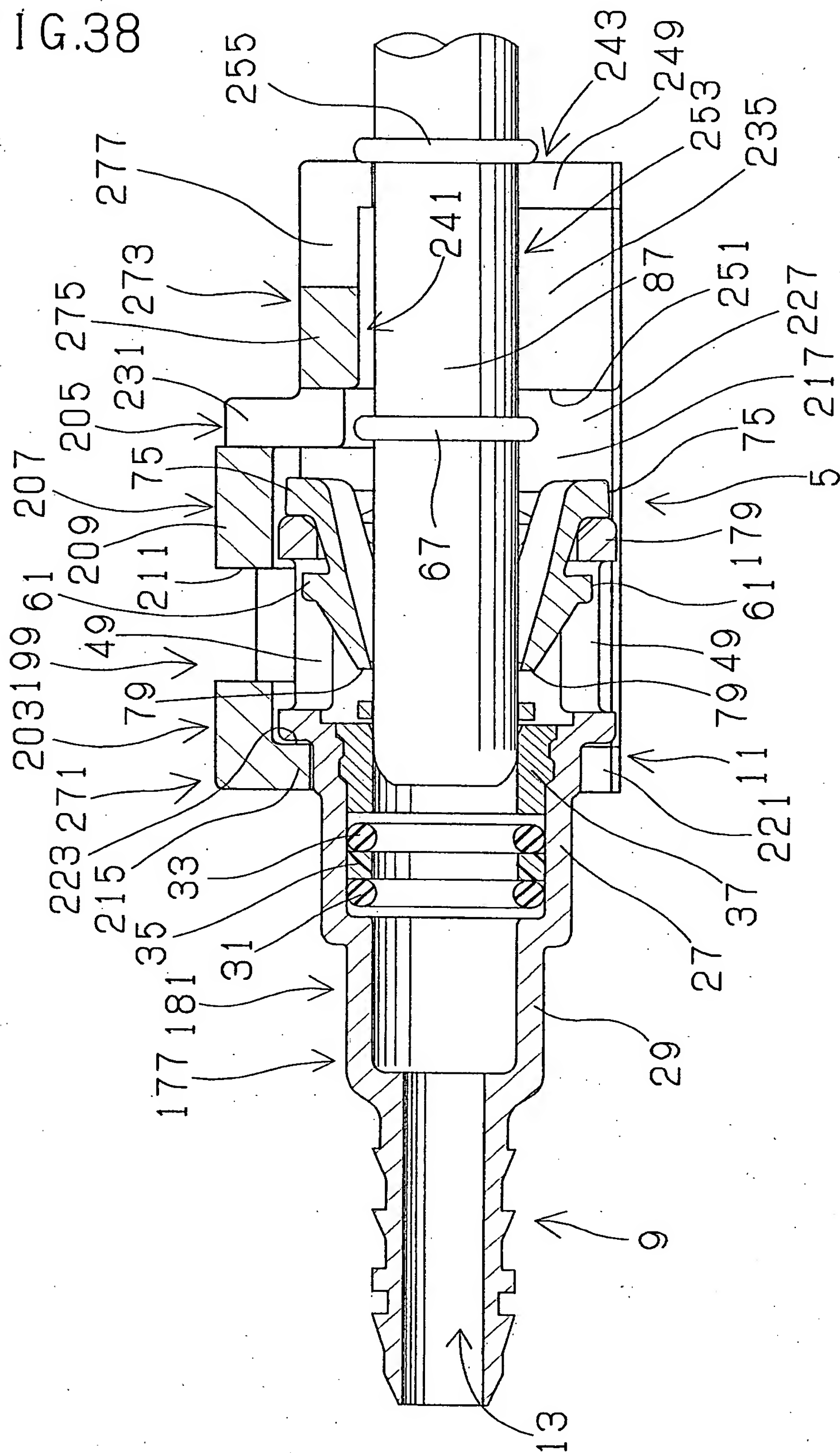


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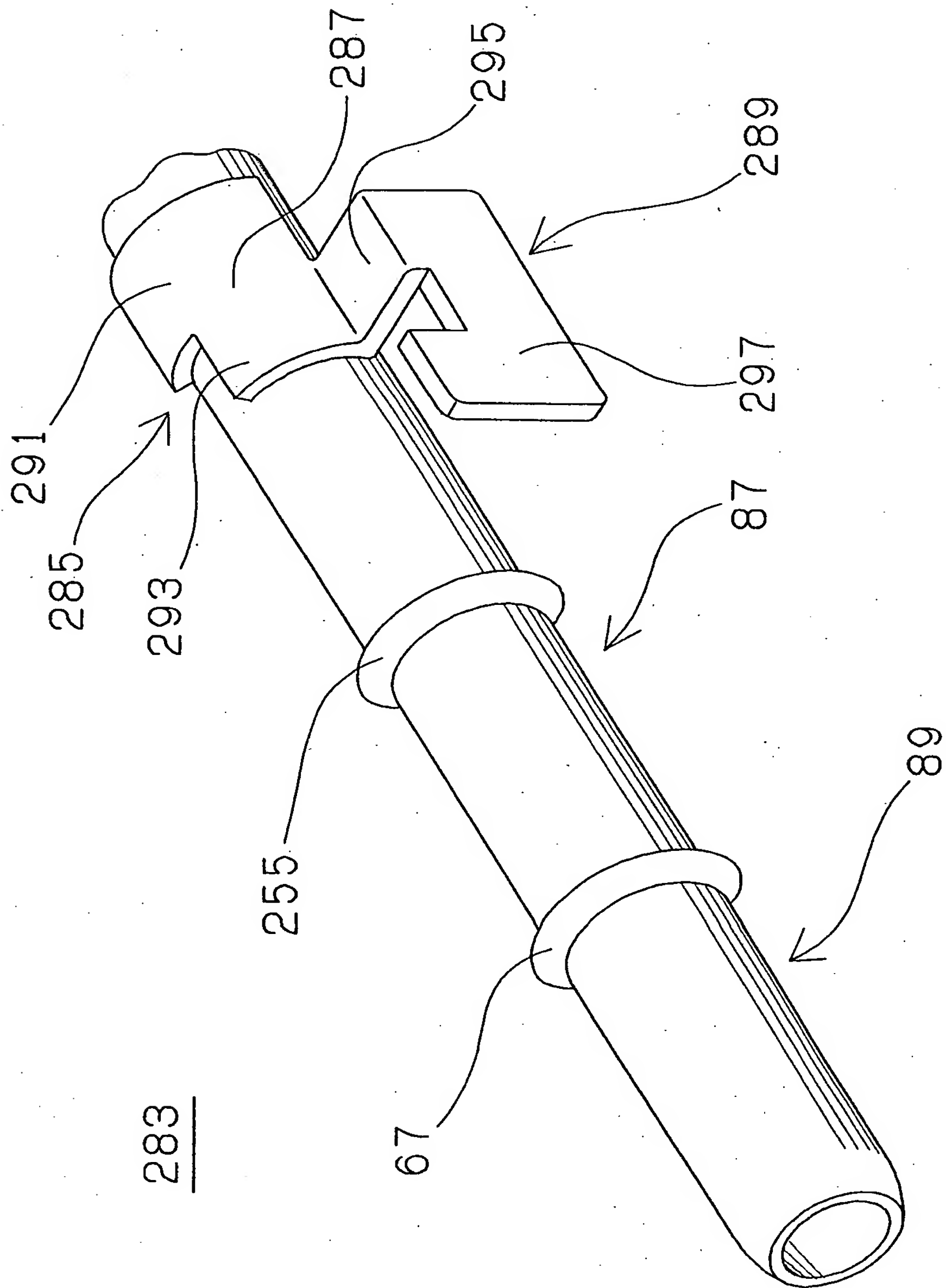
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FIG. 38



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FIG. 39



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FIG. 40

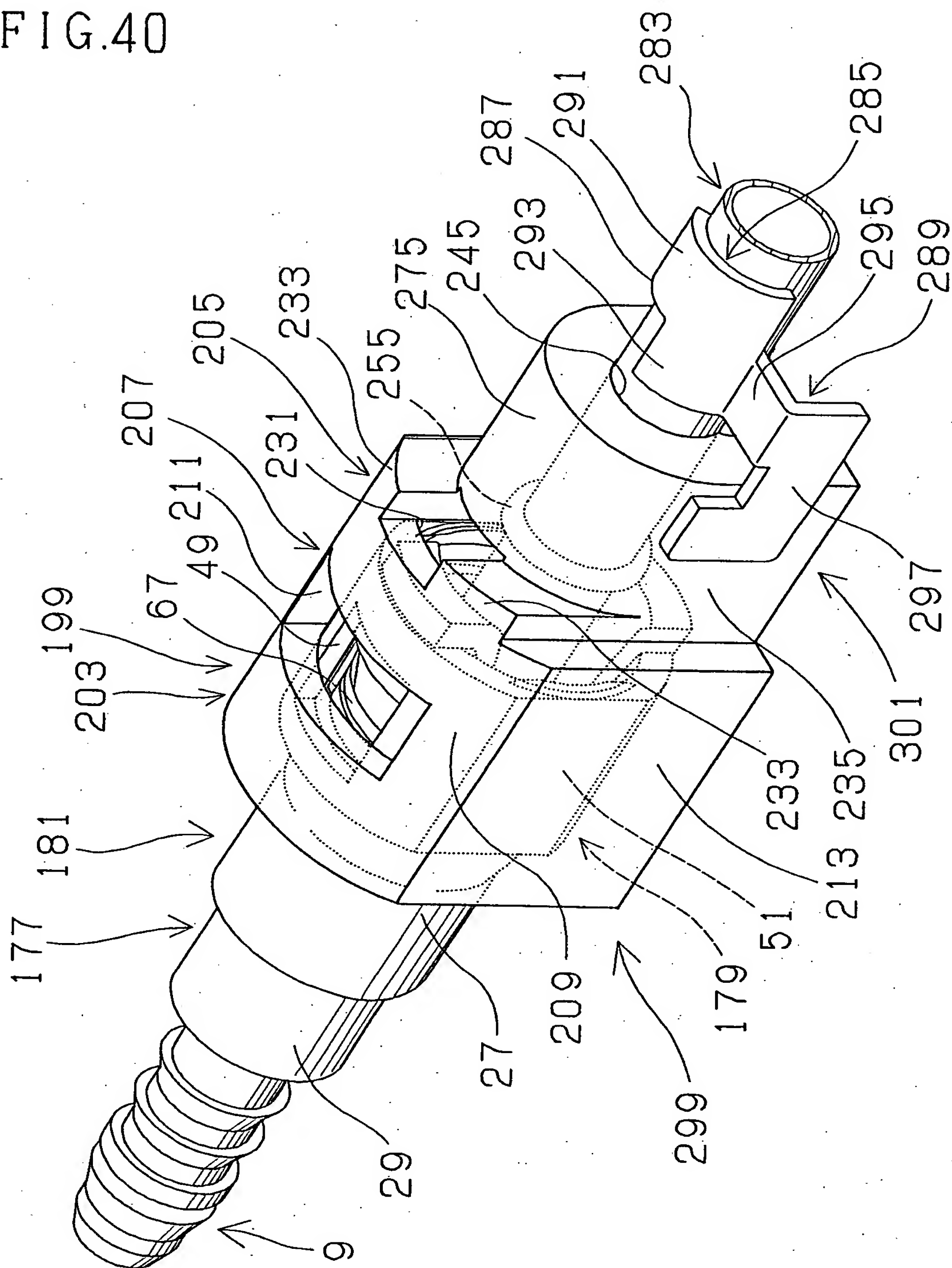
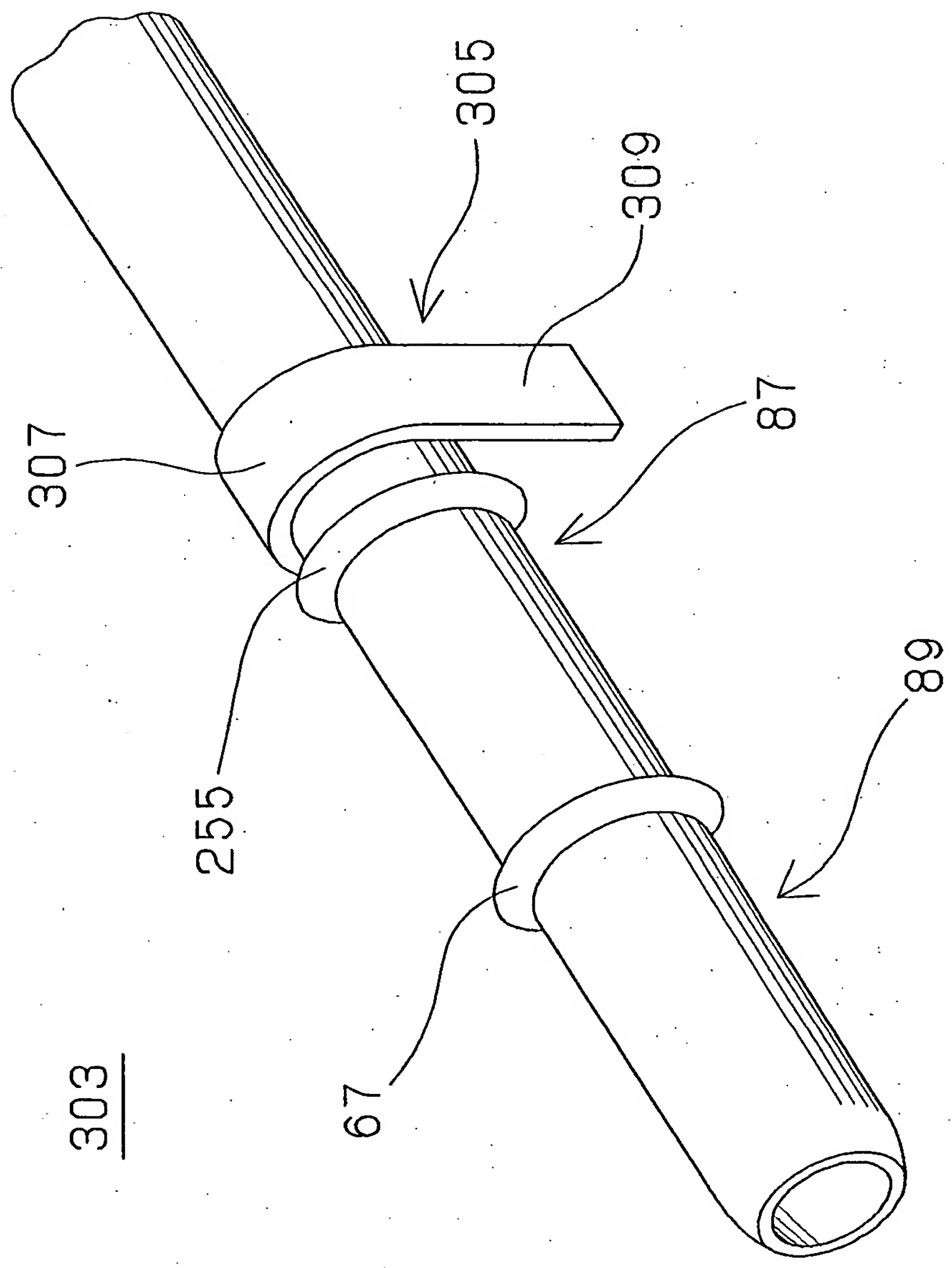


FIG.41

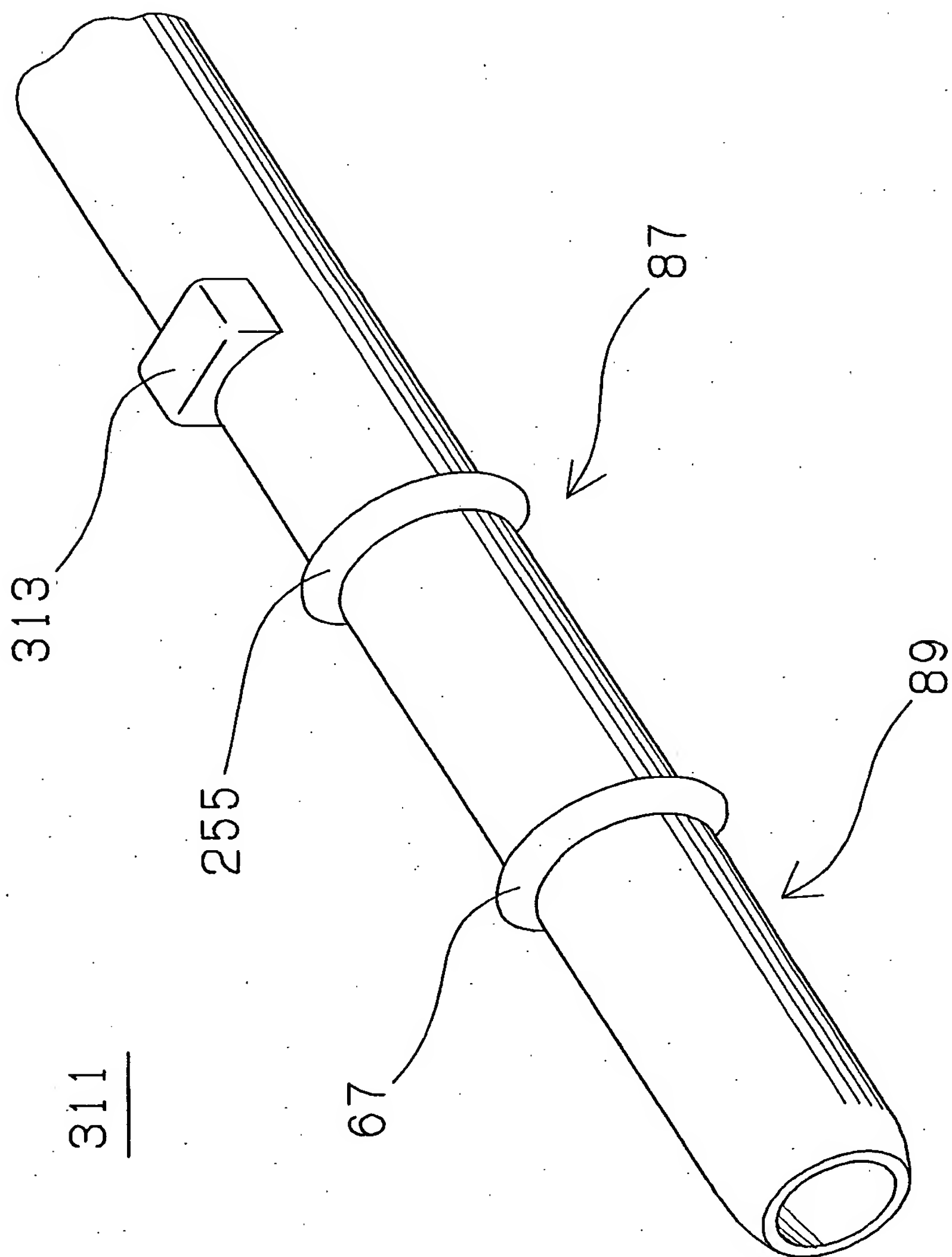


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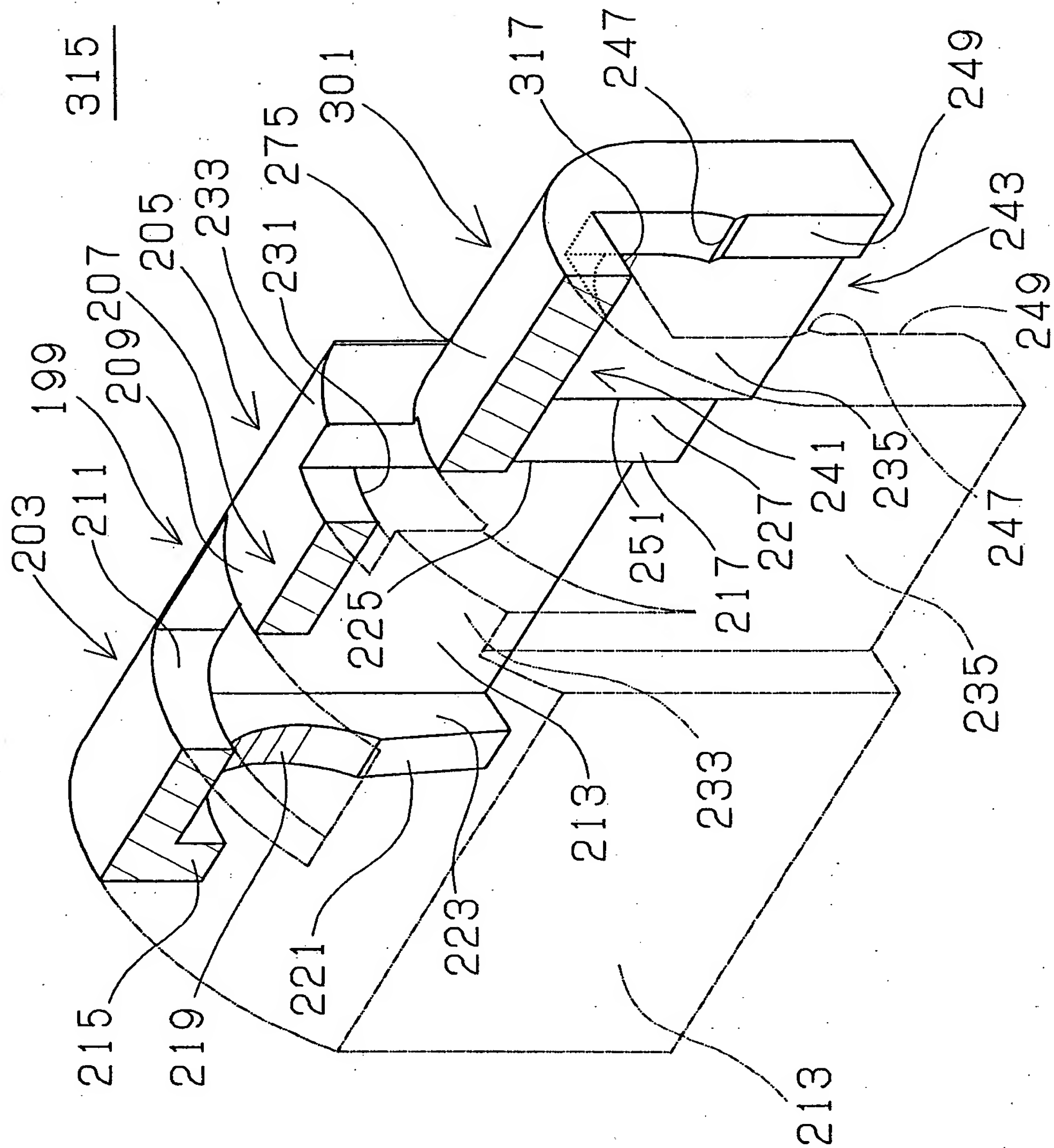
FIG.43



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FIG.44



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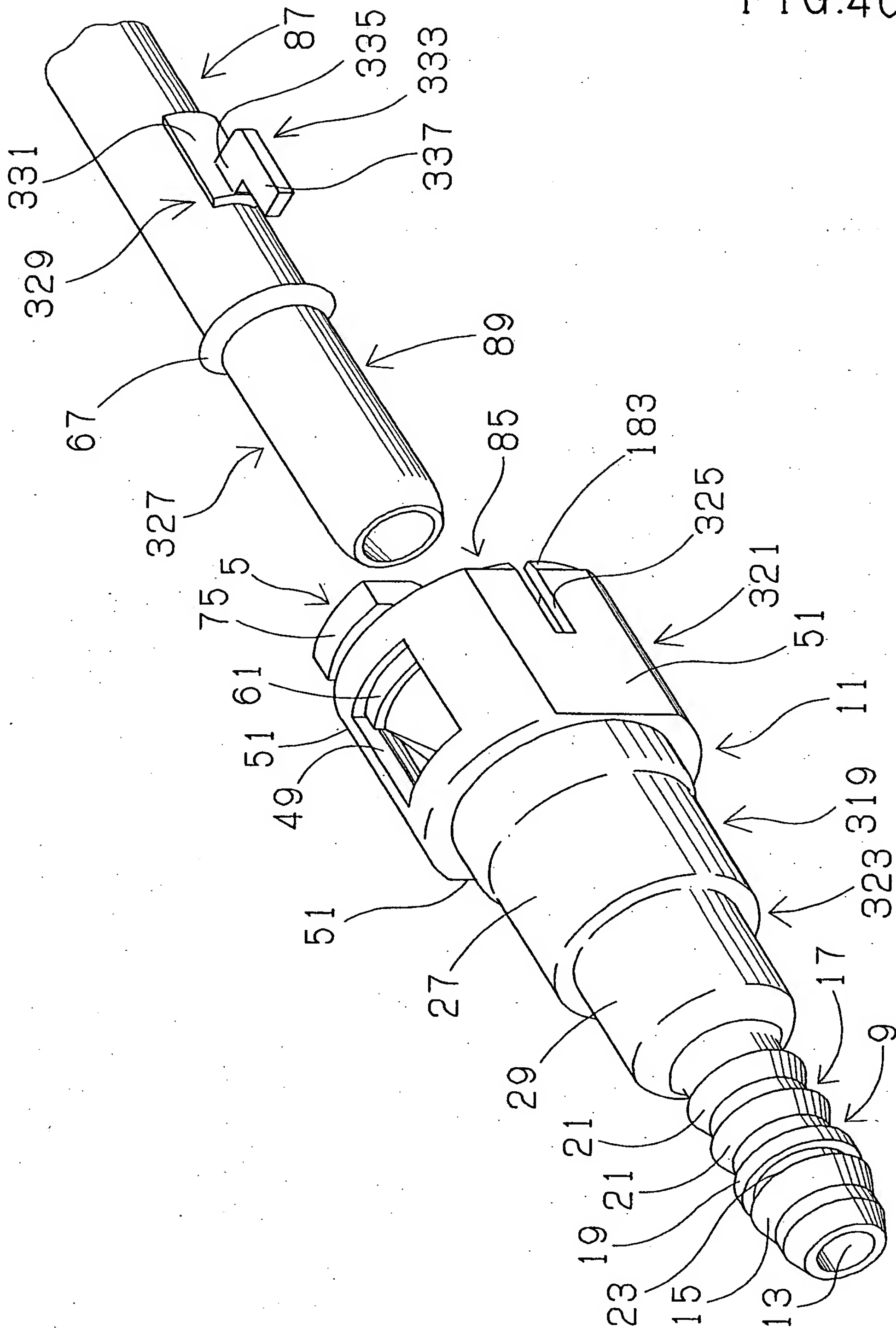
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[illegible]

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FIG.46



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This figure shows a perspective view of a mechanical assembly. The main component is a base plate 67, which has several features: a central rectangular opening 203, a circular feature 207, and a series of concentric rings or grooves 205, 231, 233, and 301. A cylindrical component 27 is mounted on the base plate, with a threaded section 29 at its end. A curved arm 209 extends from the base plate, featuring a series of parallel ridges or fins 321, 325, 333, and 335. A small, angled component 247 is attached to the end of the arm. Other labels include 199, 203, 207, 205, 231, 233, 301, 27, 29, 209, 247, 243, 245, 249, 275, 327, 329, 331, 333, 335, 337, 319, 323, and 9.

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FIG. 48

